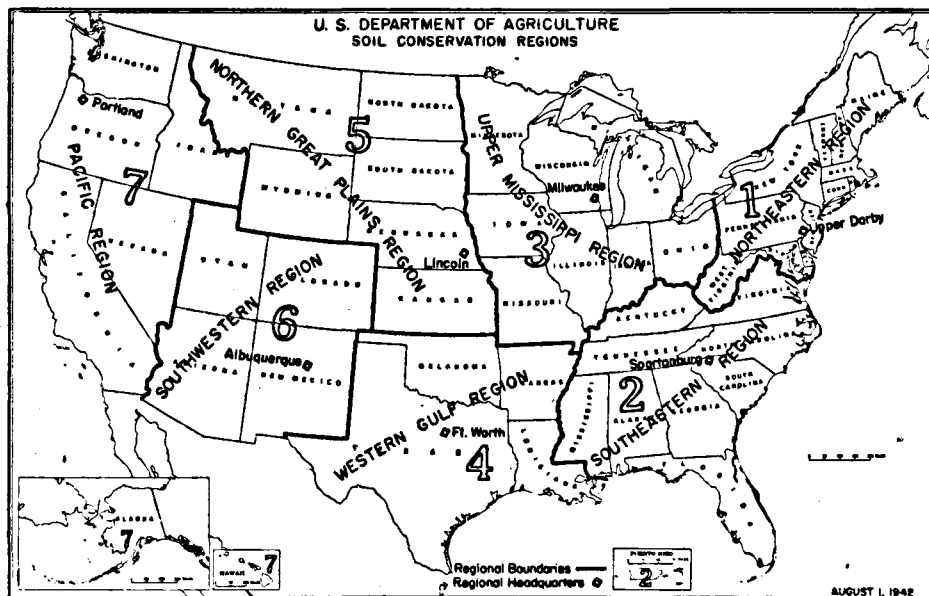


SOIL AND WATER CONSERVATION NEEDS ESTIMATES FOR THE UNITED STATES

BY STATES



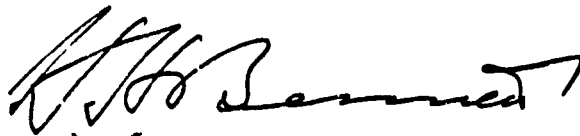
UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

WASHINGTON 25, D. C.

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F O R E W O R D

Efficient, lasting soil conservation calls for treatment of the land according to the capabilities and needs of the many different kinds of land. Forseeing the job ahead, the Soil Conservation Service has made an appraisal of the conservation needs of the nation. These findings are based on several years of work throughout the principal basic land resource areas of the country. They constitute information which is essential in our progress as a nation toward effective conservation of our vital soil resources. Effective conservation of soil requires that each acre on every farm—cropland, grazing land, woodland, and idle land—be used according to its individual capabilities and treated according to its individual needs, which demands the coordinated use of all the practical conservation measures in the proper combinations.

A handwritten signature in black ink, appearing to read "H. H. Bennett". The signature is fluid and cursive, with a large initial "H" and a long, sweeping tail.

Chief, Soil Conservation Service

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INTRODUCTION

For generations Americans have treated land wastefully. Through exploitative farming the soil has been exposed to the ravages of uncontrolled erosion and impoverishment. Productivity of the land has been seriously undermined as a result of indifference towards the forces leading to soil wastage and insecurity of farming operations.

Within the past fifteen years, however, the picture has undergone a remarkable change. Today more and more attention is being directed toward those types of farm operations which will maintain or improve the productive level of agricultural lands.

Farmers and ranchers cooperating with one another in nearly thirteen hundred soil conservation districts covering parts or all of seventeen hundred counties today are formulating programs to bring about desirable physical adjustments in land use for the betterment of human welfare, to conserve natural resources, establish a permanent and balanced agriculture and reduce the hazards of floods and siltation. Development of such comprehensive programs requires consideration of all available information that may be applicable to the needs of the land and of the people on the land.

During the past eleven years the Soil Conservation Service in cooperation with farmers has been applying to the land a comprehensive program of soil and water conservation and land use adjustments throughout the United States. The carrying out of this program involves the planning, installation, and maintenance of soil and water conservation practices on all lands needing such treatment. To develop programs and plans which will meet the conservation needs of any and all sections of the country, it is essential that this fundamental information be obtained and made available in the most readily usable form.

Since there is an ever increasing demand for Soil Conservation Service assistance which, of necessity, is limited, basic information has been even more urgently needed to determine the priority of various types of work and the priority of work areas, so that our land and water resources could be utilized to the greatest advantage in the wartime agricultural program and in preparation for the post war period. Other agencies also need reliable information on conservation needs to help guide them in any of their work which may directly or indirectly further conservation on the land. The development of agricultural programs calls not only for information on the conservation work under way or completed, but also for information as to the total needs.

In order to bring together all available data on the needs for conservation work and to facilitate the use of such data in conservation planning, a far reaching analysis of this information was initiated in the fall of 1942 by the Soil Conservation Service. The sources from which basic information was obtained include the following: (1) U. S. Census (Agricultural); (2) records and reports on accomplishments of soil conservation demonstration projects and CCC camps, and soil conservation districts; (3) postwar work inventory data; (4) flood control survey reports; (5) conservation survey and land use capability data; (6) various other appropriate reports dealing with agricultural statistics; (7) the wealth of information accumulated by the large force of soil and water conservation technicians of the Service; and (8) information in the hands of State and local agencies.

Definitions and Descriptions of Terms Used in Determining Conservation Needs

Basic Land Resource Area. While most land needs some type of corrective or preventive conservation treatment, the total amount of intensity may vary widely from one section of the country to another. The total needs for conservation may be two or three times as great in one area as in another of equal size, due to variations in soil, slope, erosion and erosion potential, climate, and past land use. Not only may there be differences in total needs for conservation as between areas, but the type and urgency of treatments may vary. To show needs by locations and to facilitate the projection or expansion of experience and other data, the basic land resource areas were determined and delineated on appropriate maps. In the preparation of this basic map, various State agencies have assisted the Soil Conservation Service. Basic land resource areas, as used in the conservation needs analysis, are geographical areas of land in which there are such uniformities in the physical conditions (erosion conditions, soils, topography, and climate) as to present relatively uniform soil and water conservation problems, together with relatively uniform solutions.

Soil and Water Conservation Practices. In the interest of establishing uniform, nation-wide terminology in the development of data for this analysis, a descriptive catalogue of conservation practices was compiled. In this catalogue each practice was briefly defined; kinds of crops and work involved were outlined; units of measure were given; types of application and maintenance work involved were outlined; and other guiding information provided.

Land Capability Classes. The land classification in current use by the Soil Conservation Service and adhered to in the analysis of Conservation Needs is a guide to the suitability of land for cultivation, grazing, or woodland uses. There are eight land capability classes, based on those physical characteristics of the land that affect the choice of crops, farming methods and needs for conservation. Classes I, II, and III are suitable for regular cultivation. Class I requires no special practices other than maintenance of fertility and good physical conditions. Class II requires moderate use of special practices and Class III, intensive use of special

practices for successful management and adequate soil protection. Class IV is suitable for occasional or limited cultivation. Three classes not suitable for cultivation but suitable for permanent vegetation are Class V, which can be used safely for grazing or woodland without special practices; Class VI which needs moderate limitations, and Class VII which has physical characteristics that make necessary severe limitations in use. Land of Class VIII is not suitable for cultivation, grazing or woodland, although most of it will produce some useful wild plants and animals; it ordinarily includes extremely rough, sandy, wet, arid, or saline land.

Class I land is nearly level land, not subject to serious erosion, easily worked, and at least fairly productive. Lands of Classes II and III are productive lands which for their safe and successful use require such special practices as are needed to control erosion, improve drainage, or correct deficiencies in natural fertility. By using these necessary precautions, these lands are suitable for cultivation and a wide range of crops. Class IV land has physical properties that limit but do not prevent entirely its safe or satisfactory use for crops. Class V land ordinarily is nearly level and suitable for grazing or woodland, but too wet, rocky, or subject to overflow to permit cultivation. Classes VI and VII include land that is steep or erodible, thin or unproductive, together with large areas of land too dry for safe crop production but useful for grazing or forestry. Class VIII land is rough, swampy, or otherwise unsuitable for grazing or forestry, although usually it supports some useful plants and wildlife.

Methods Used in Determining Conservation Needs

An intensive effort has been made to collect, evaluate, and summarize all information having a bearing on the total needs for conservation work, both for the present and in the postwar period. This was done according to the following step-by-step process: (1) Development of basic map showing the location of land resource areas; (2) grouping and tabulation of basic data related to land use and crops; (3) estimation of acreage of each capability class for each type of land use; (4) estimation of the amount of each practice needed; (5) estimation, by conservation-farming practices, of labor, equipment, and material needs to do the conservation job; (6) estimation of technical assistance needed for applying and maintaining conservation practices; and (7) estimation of costs of applying and maintaining conservation practices.

Tabulation of Basic Data from the Census Reports on Agriculture.
County and minor civil subdivisions data in the 1935 and 1940 U. S. Census Reports on Agriculture were used to obtain the closest possible approximation of land use in each basic land resource area. The 1940 census reports provided most of this data; the 1935 census was also used in order to obtain types of information not distinguishable in the 1940 reports.

Development of Land Capability Data. Since land use capability data provided ONE of the bases for estimating quantities of practices needed and since they will also be needed for adequate determination of any future land use conversions, earnest effort was made to obtain the best possible estimates of land capability acreages for each basic land resource area. These estimates were made by projecting data for representative surveyed portions of the land resource areas to the entire extent of these areas. Where, in a few of the areas of lesser importance, such data were not available, estimates were made on the basis of general knowledge of the areas or by projecting data from the nearest related areas. Acreages of different classes of land were similarly estimated for each major land use in the basic land resource areas and adjusted to check with census land use acreages.

Selection and Evaluation of Applicable Practices. In the selection of practices to be used in determining soil conservation needs, consideration was given to: (1) practices and adjustments which are needed to carry out a coordinated program of soil and water conservation; (2) all needed but not necessarily all possible practices; (3) the experience of farmers; (4) the experience and research of the Soil Conservation Service and other agencies.

To evaluate practices as accurately as possible, certain known factors were carefully considered, each in its relation to the others. For a given type of land use—for cropland, as an example—the practices shown by experience to be needed for the best protection of the soil and maximum practicable conservation of rainfall were used as basic guides. Quantities and kinds of conservation practices capable of achieving the best results on specific acreages were determined on the basis of experience of the Service in working with many thousands of representative farmers throughout the entire country over a period of years. Each of the specific acreages was appropriately considered in its relation to the entire basic land resource area, and the most representative sample acreages were used as criteria in evaluating the practices. In determining the representativeness of the acreage for which there was experience data, consideration was given to the following elements: current land use, use capability of the land, type of farming, and size of operating units.

Estimation of Quantity of Each Practice Needed. The amount of each practice needed for a given land use acreage was developed on two different bases: (1) the quantities shown in complete soil and water conservation plans for farms and ranches; and (2) land capability class recommendations. In general, the quantities of practices recommended for the different land capability classes are somewhat greater per unit of land use than those quantities shown in farm and ranch conservation plans. Therefore, two separate and distinct methods were followed in determining the quantity of each practice needed for a given land use acreage.

Application Requirement in Terms of Labor, Equipment, and Materials. Amounts of labor, equipment, and materials for applying and maintaining the needed conservation practices were determined by applying labor, equipment, and materials needed per unit of practice to the quantity of each practice

estimated on the basis of land use. Source of supply for the labor, equipment, and materials was not involved in this determination. The labor, equipment, and material needs per unit of practice were obtained from records of actual accomplishments in soil conservation work and adjusted to prevailing conditions by experienced technicians.

Soil and Water Conservation Needs Estimates Based Upon Recommended Feasible Land Use and Practices

The data in the Tables numbered "1" for the United States and states show: Land classified according to use capabilities; land in farms by four major uses; land not in farms; and approximate total land area. Data on use capabilities are shown mainly for groups of classes rather than by individual classes. This information portrays the upper limits of expansion of land suitable for cultivation on the basis of physical conditions. Possible land use changes are indicated. For the entire United States, for instance, approximately 43,234,000 acres of cropland not suitable for cultivation should be converted to woodland or grazing. To offset the loss of cropland that should thus be converted to woodland or grazing, there are approximately 113,509,000 acres of grazing land and 32,934,000 acres of woodland that could be used, under proper safeguards, for growing crops--if it could be spared from present uses.

Essential economic and social considerations should be taken into account in planning for land use adjustments. The areas of usable land presented above and hereinafter presented, therefore, may not necessarily represent precisely the most desirable over-all pattern of land use. They simply indicate how far it is possible to go and where changes could be made, when needed, in utilizing the physical land resources of the country.

The data in tables numbered "2" for the United States and states show: Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required for their application. The quantity of each practice represents that portion remaining to be done (the job ahead), or upon which labor, equipment, and materials must be expended. The quantities of needed conservation practices presented in the following tables represent some duplication in acreages of land areas. That is, for example, 10 acres that need contour planting may also need terracing. Thus, the same 10 acres will be listed in contour planting needs and in terracing needs as well. In addition to the requirements shown in tables "2" for the application of conservation practices, some farmers will be contributing a certain amount of labor, equipment use, and materials toward getting the whole conservation job done that does not appear in the tables.

Soil and water conservation practices shown in tables "2" are defined as follows:

1. Clearing and grubbing: The removal of trees and brush that interfere with seedbed preparation, cultivation, mowing and other cultural operations necessary for the production of crops and pasturage.

2. Contour furrowing: The construction of small, shallow furrows on the level or loosening of sub-surface soil for the purpose of checking runoff and preventing soil loss by increased penetration of rainfall.
3. Contour planting (contour cultivation): The planting and cultivation of crops in rows, which follow across the land on the level. This is in contrast to cultivating up and down the slope.
4. Cover crops: Crops grown for the purpose of soil protection, between periods of regular crop production. Includes close-growing or soil-improving crops grown in orchards, part or all of the year. (Use intended to be made of crop at the time it is planted will determine title.)
5. Crop residue management (stubble mulch farming): The operation and management of cropland to conserve stubble, stalks, and other crop aftermath on or near the surface in order to prevent wind and water erosion, to conserve moisture, decrease evaporation, and insure crop production.
6. Crop rotation: Crop rotation is the growing of different crops in recurring succession on the same land, in distinction to a one-crop system or a haphazard change of crops determined by opportunism or lack of a definite plan.
7. Deferred grazing: Postponement of the use of grazing land from the start of forage growth until a definite stage of plant development has been reached which favors maintenance of the range while in use.
8. Diversions: A diversion is a channel with a supporting ridge on the lower side constructed across the slope to intercept runoff and minimize erosion, or to prevent excess runoff and damage to other areas. In some areas, a series of diversions are constructed across the slope similar to terraces, but with greater horizontal and vertical spacing.
9. Drainage: The removal of excess surface or ground water from land by means of artificial surface or subsurface conduits.
 - A. Individual Farm Drains: Individual farm drains include surface and subsurface conduits and other types of drainage works constructed to serve a single farm unit. Some of the work may be done off the farm, as for example, where it is necessary to extend an outlet.
 - (1) Covered Drains: A covered drain is an underground conduit constructed of clay tile, concrete tile, wood, or rock to remove excess ground water.
 - (2) Open Drains: Open drains represent open ditches constructed primarily to remove excess surface water from agricultural land which is too wet otherwise to farm effectively or to serve as outlets to covered drains. Such drains are to serve only a single farm, although some work may be done off the farm in order to take care of necessary outlets.

- B. Other Farm Drainage Practices: Other types of farm drainage systems are sometimes used, including levees or dikes, pumping plants, and wells.
10. Dune and beach erosion control: The application of various mechanical and vegetative measures designed to stabilize coastal and inland sand dunes or "blow-sand" areas.
 11. Emergency tillage: The cultivation of the soil by listing, duckfooting, chiseling, etc. in order to roughen the soil or bring clods to the surface for the prevention of wind erosion.
 12. Exclusion (primarily for erosion control): This practice is the exclusion, for at least one 12-month period, of all livestock from a designated grazing area for the purpose of forage protection, erosion control, or seed production.
 13. Fertilizing grazing land: The application of needed fertilizer materials to produce satisfactory growth of forage plants.
 14. Field and gully planting (woodland): The planting, on land essentially free of trees, of seeds, seedlings, transplants, or cuttings of woody plants, in order to establish or re-establish a forest cover adequate to prevent excessive runoff and erosion or to produce useful forest products.
 15. Fire protection: Detection, prevention, and suppression of fire.
 16. Green manure crops: Any crop turned under while green, or soon after maturity, for the purpose of soil improvement. (Use intended to be made of crop at the time it is planted determines the title, that is whether it is to be plowed under as a soil-building measure or harvested as a crop.)
 17. Harvest cutting: Cutting in any woodland for the purpose of harvesting trees ready for market, or for salvage of trees damaged or killed by fire, insects, disease, or other causes. While the principal products from such cuttings will come from trees of rotation age or older, they will ordinarily include also other trees removed as incidental improvement cuttings.
 18. Hedges: A belt of shrubs or small trees, usually following along field boundaries—not for wind control.
 19. Improvement cuttings: Cutting in any woodland for the primary purpose of developing satisfactory growing stock, or for increasing the utility of the forest for purposes other than wood production. While the principal products from such cutting will come from trees under rotation age, they may include occasional trees of crop size.
 20. Irrigation developments and improvements: Work in this category includes (1) repair, rehabilitation, or improvement of existing enterprises; (2) construction of new enterprises; and (3) improvement of farm irrigation practices. In detail, these activities cover such work as: that

essential to the management, diversion, storage, and conveyance of water; farm distribution systems and land preparation; measurement and control of water; development or rehabilitation of springs and wells; and disposal of waste water (exclusive of water involved with drainage work—see section on Drainage)—

- A. Storage dams: Storage dams are structures built for the purpose of storing water in stream channels, ravines, and other locations.
- B. Diversion dams: Structures extending partially or completely across a stream channel to raise the level of the water to the extent that a portion or all of the flow is diverted into a distributing canal.
- C. Spring development: Structural work performed in and around a spring or seep to insure increased or uniform flow.
- D. Wells: Wells drilled to supply irrigation water from underground sources.
- E. Main and lateral canals:
 - (1). A main canal is any open conduit for conveying water from the source of supply to the lateral canals or to a storage reservoir.
 - (2) A lateral canal is a branch of a main canal for conveying water to one or more farms.
- F. Farm distribution systems: Include ditches, pipes, flumes, and appropriate structures for regulating and distributing water to fields within the boundaries of single farms.
- G. Land preparation: Practices necessary to prepare the land for irrigation.
 - (1) Land leveling: The shaping or leveling of the surface to permit uniform application of water to the land.
 - (2) Toxic salt reduction: Reduction of content of water-soluble toxic salts in soils through heavy application of water to leach out such constituents.
- H. Methods of water application:
 - (1) Controlled flooding: The controlled distribution of water to croplands and meadows from an irrigation distribution system consisting of parallel head ditches from which water flows over the ground, guided by the slope of the land.
 - (2) Border methods: Water is applied to narrow strips formed by small earth ridges running generally in the direction of the steepest slope, with the ground between the ridges being as nearly level as possible. Borders may also be laid out fairly close to the contour.

- (3) **Corrugation method:** An adaptation of furrow irrigation to crops not planted in rows, such as grain and alfalfa. This method is more applicable to land of uneven topography or to fields too steep to irrigate by controlled flooding or border methods. Consists of series of small parallel furrows spaced from 18 to 36 inches apart and running generally in the direction of the steepest slope. Water should be distributed to individual corrugations through an equalizing ditch just below the head ditch, and the flow into each corrugation should be accurately controlled by means of spiles, lath boxes, etc.
 - (4) **Furrow method:** Adapted to irrigation of crops grown in rows. The furrows follow grades in which water will run freely without causing erosion, and are usually spaced from 2 to 4 feet apart. Both the V-type and the broad-shallow type of furrow irrigation are used.
 - (5) **Basin method:** Adapted mainly to orchard irrigation. Basins are formed about the trees by low ridges, which are eliminated when the land is cultivated. They require reconstruction for each irrigation.
 - (6) **Sprinkler method:** Application of water to the land under pressure through pipe and sprinklers. Because of costs it is generally used for high-value crops. It provides the most uniform and efficient method of application, and may be adapted to use on steep, rough topography.
21. **Liming pastures:** Application of some form of lime to improve growth and quality of pastures.
 22. **Maintaining feed reserves:** This practice consists of producing (or buying) feed for emergency use during times when pasture or range forage is insufficient or of inferior quality. Such feed reserves may be hay, straw, grain sorghum, and concentrates--in addition to feeds normally required annually.
 23. **Maintaining forage reserves:** This practice consists of setting aside areas of range or pasture for such emergencies as drought, fire, or other unforeseen difficulties. This is usually accomplished by the exclusion of livestock or by lightly using grazed areas.
 24. **Management of odd areas (primarily for wildlife):** Development, protection, and utilization of vegetation on odd portions of farms and ranches, such as fencecorners, rocky areas, and sinkholes.
 25. **Management of spoilbanks:** Establishment of some form of vegetative cover on raw materials exposed by strip-mining, ditch construction, dredging, etc.

26. Marsh management: Manipulation of vegetation of wet lands for the production of wildlife crops.
27. Mowing of grazing land: Mowing is the cutting of weeds and rank growth in order to improve grazing.
28. Mulching: Use of vegetative litter not grown on the site to cover the ground with a layer of material which protects the land from erosion, conserves moisture, and discourages weed growth.
29. Noxious plant control: Eradication or reduction of growth or density of plants which interfere with efficient use of the land for crops or pasture.
30. Outlets and farm watercourses: Outlets and farm watercourses are protected natural or constructed channels for the purpose of disposing of runoff in a manner which minimizes erosion. Such channels are usually protected by grass or other suitable vegetation. Occasionally mechanical protection is required.
31. Perennial hay crops: This designation applies to the use of land not suitable for cultivation. Such land should not be plowed except for improvement of the perennial vegetation. This use differs from the planting of perennials, as timothy and alfalfa planted in regular rotations on cropland.
32. Pond management: Protection of ponds from siltation and erosion of the dam and adjacent areas for efficient production of fish and other wildlife.
33. Prevention of grazing damage: Protection of woodland from overgrazing.
34. Proper stocking: Stocking of grazing land at such an intensity as will make full use of the available forage and provide for maintenance or improvement of the range or pasture.
35. Pruning: Removal of excess branches to improve quality of product.
36. Reinforcement of existing woodlands: The planting of trees or seeds of trees, or the treatment of the site to encourage natural seeding, for the purpose of increasing the number of trees or improving the character or quality of the stand of existing woodlands.
37. Reorganization of fields: The reorganization of fields includes all rearrangement of fields such as the laying out or establishment of new fields and changing the boundaries of old fields.
38. Roadside erosion control: Control and stabilization of roadside ditches, cuts, and fills subject to erosion.

39. Rodent control: Reduction of numbers of rodents injurious to conservation structures and to crops and other useful plants.
40. Rotation grazing: Rotation grazing is the use of different pastures or parts of pastures or ranges in such orderly sequence as will allow adequate maintenance of the forage.
41. Rotation hay or pasture: The use of grasses and legumes in regular crop rotations for hay. (Not to be confused with rotation grazing.) These areas may be grazed from one to several years before plowing for the regular crops, depending on length of the rotation. May be used a year or two for hay before turning to pasture; or may be used for hay and pasture the same year.
42. Salting: The placing of salt according to a planned system over the range or pasture to aid in better distribution of grazing.
43. Scattering of droppings: Distribution of animal manure over pastures with harrows or drags for improvement of the grazing.
44. Shelterbelts and windbreaks: Trees and shrubs planted in strips or belts, usually in from 1 to 10 rows, for the primary purpose of reducing the velocity of wind for control of soil blowing and snow drifting, and for conservation of moisture, protection of crops, livestock, orchards, and buildings.
45. Seeding of range and pasture plants: Establishment of perennial vegetation for range or pasture purposes by drilling or broadcast-ing seed and covering with such mechanical methods as brush dragging, harrowing or trampling by livestock.
46. Soil saving dams: A soil saving dam is a dam of earth, rock, or other material placed across a gully or natural watercourse to impound silt, retard runoff, and reduce erosion.
47. Streambank management: Development or protection of vegetation along stream courses.
48. Stockwater development: Development or improvement of stockwater supplies. Such developments, in addition to supplying drinking water, facilitates efficient distribution of stock over the grazing area. Such developments include springs, reservoirs, and wells.
49. Strip cropping: Strip cropping, as here used, consists of the growing of (1) alternating strips of cultivated crops and thick-growing protective crops on the contour; (2) wind stripping by planting alternate strips of cultivated and thick crops at right angles to the prevailing wind; and (3) field stripping by planting alternating strips of cultivated and thick crops at right angles to the prevailing slope of the land. All of this is to prevent or

- reduce erosion, to conserve moisture, and to make favorable conditions for crop production.
50. Terracing: Construction of water channels, with a ridge below, across the slope at such gradients and vertical intervals as to intercept and control runoff.
 51. Tillage for impounding water: Tillage operations designed to increase infiltration of rainfall by such restraining methods as regular field contouring, listing, basin-listing, etc.
 52. Water spreading: Water spreading is the diversion of runoff water from gullies or watercourses and its distribution on adjacent gently sloping grazing lands needing additional water.
 53. White pine blister rust control: The periodic eradication of currant and gooseberry bushes from within and near stands of 5-needle pines (especially eastern white, western white, sugar, limber, and white-barked pines) in order to prevent spread to the pines of the destructive fungus known as the white pine blister rust. Such work aids in the maintenance of protective stands of trees on many critical headwater drainages.
 54. Wildlife borders: Strips of herbaceous or woody plants developed around the edges of fields in the zone of poor crop production or where the edges are eroding. Such plantings usually provide protection or feed or both for wildlife.

The attached tables for the United States and each State separately represent the conservation needs, as well as can be determined now, of the "land in farms" of this country. As additional information becomes available, the figures will be refined.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, UNITED STATES, 1939. 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	495,864	100,051	440,102	18,183	1,054,200
(a) Cropland 2/	328,980	44,768	43,234	579	417,561
(b) Grazing Land 2/	113,509	36,149	312,853	11,699	474,210
(c) Woodland 4/	32,934	13,181	68,838	419	115,372
(d) Other Land in Farms 5/	20,441	5,953	15,177	5,486	47,057
LAND NOT IN FARMS 6/	69,804	55,082	568,346	73,859	767,091
APPROXIMATE TOTAL LAND AREA	565,668	155,133	1,008,448	92,042	1,821,291

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes. All states except Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Virginia, which show Census plowable pasture.
- 4/ 1939 Woodland acreages except Arizona, Colorado, New Mexico and Utah which show woodland not pastured in 1930, and Arkansas, Louisiana, Oklahoma and Texas which show 1939 woodland acreage adjusted.
- 5/ 1939 Other Land in Farms except Arizona, California, Colorado, Idaho, Nevada, New Mexico, Oregon, Utah and Washington which show other land in farms in 1935. does not include data for Arkansas, Louisiana, Oklahoma and Texas.
- 6/ Does not include data for Arkansas, Louisiana, Oklahoma and Texas.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application UNITED STATES, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	124,694	10,253	184	922	—	—
Cover crops	"	34,120	18,369	2,049	9,241	304,256	—
Crop residue management	"	178,243	8,389	5,289	2,273	—	—
Crop rotation	"	212,780	6,558	2,194	2,188	—	—
Diversions	Mile	569	33,678	7,547	8,176	1	53
Emergency tillage	Acre	4,910	200	137	216	—	—
Green manure crops	"	55,346	69,543	13,328	100,621	761,424	—
Perennial hay crops	"	11,062	41,981	5,154	44,647	106,426	1,567,309
Rotation hay or past.	"	90,838	48,435	22,170	75,432	347,721	—
Strip cropping	"	96,465	29,255	932	3,762	—	—
Terracing	"	90,658	277,496	69,334	139,278	—	—

(Over)

United States. - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Tillage for imp. water	Acre	15,193	596	183	1,649	—	—
GRAZING LAND							
Contour furrowing	"	13,377	15,112	2,084	35,662	—	—
Deferred grazing	"	253,842	2,184	—	—	—	—
Excl. for eros. contl.	"	13,243	4,786	—	—	—	—
Fertilizing grazing land	"	109,019	21,366	3,692	23,221	—	—
Lining pastures	"	84,448	24,854	808	23,786	—	—
Maintain. feed res.	Tons	3,952	2,319	33	46	—	—
Maintain. forage res.	Acre	87,486	—	—	—	—	—
Mowing grazing land	"	111,272	27,603	12,102	38,225	—	—
Proper stocking	"	358,820	1,117	—	—	—	—
Rotation grazing	"	221,566	15,922	4	7	—	—
Salting	"	155,237	885	—	—	—	—
Scattering droppings	"	9,563	950	390	1,162	—	—
Seeding rge. & past.	"	110,582	82,092	15,113	116,789	846,815	—
Stockwater development	No.	1,202	81,358	16,123	17,370	—	—
Water spreading	Acre	2,880	4,710	2,628	2,215	—	—
WOODLAND							
Field & gully planting	"	11,655	145,244	10,467	999	14,973	13,574,993
Harvest cutting	"	42,373	275,387	390	35,748	—	—
Improvement cuttings	"	85,749	919,497	13,473	196,195	—	—
Pruning	"	2,690	7,876	—	—	—	—
Rein. of exist. woodlds.	"	6,446	26,784	3,406	4,067	3,133	1,523,902
Prevent. of graz. dam.	"	104,298	63,249	145	13,555	—	—
TWO OR MORE LAND USES							
Marsh Management	"	698	3,430	236	87	193	7,677
Clearing and grubbing	"	25,066	548,131	8,372	28,947	—	—
Drainage	" 2/	19,546	166,076	17,645	47,872	330	—
Dune & beach eros. contl.	"	855	13,447	1,380	7	1,902	5,503,425
Fire protection	"	313,730	111,564	7,575	31,330	—	—
Hedges	"	670	7,751	1	934	—	571,213
Mgt. of odd areas	"	5,511	39,308	528	4,195	11,792	2,743,367
Mgt. of spoil banks	"	195	3,284	75	255	549	293,866
Mulching	"	884	17,844	36	5,970	1	—
Noxious plant control	"	13,076	97,147	1,707	1,361	—	—
Outlets & farm watercrs.	"	6,291	131,253	27,562	58,580	84,626	—
Pond management	"	770	10,756	2,307	88	751	52,566
Rodent control	"	27,343	3,838	—	—	—	—
Shelterbelts & windbrks.	"	2,260	24,190	2,025	3,010	4,151	2,281,550
Soil saving dams	No.	333	163,504	45,547	85	—	—
Streambank management	Acre	831	11,358	1,129	204	108	490,239
Wildlife borders	"	3,017	14,003	1,957	9,601	54,954	204,662
TOTALS			3,634,932	327,441	1089,978	2,544,106	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ This figure represents the acreage of land in need of drainage which is considered as of first priority under a work schedule. There is considerable additional cleared and uncleared land in need of drainage, but the appraisal has not yet covered these areas in sufficient detail to give the precise acreages at this time. This applies to all the tables in this report which include figures for drainage.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

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Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, ALABAMA, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	9,246	2,664	7,233	—	19,143
(a) Cropland 2/	6,104	1,181	938	—	8,223
(b) Grazing Land 3/	1,203	405	565	—	2,173
(c) Woodland	1,357	858	4,795	—	7,010
(d) Other Land in Farms	582	220	935	—	1,737
LAND NOT IN FARMS	2,878	1,750	8,918	—	13,546
APPROXIMATE TOTAL LAND AREA	12,124	4,414	16,151	—	32,689

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land acreage is the Census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, ALABAMA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled & Unskilled	Motor	Horse	Trees	
		To Be Done	Labor	Equip-ment	Equip-ment	Shrubs	Plants
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	29	37	—	—	—	—
Cover crops	"	1,025	896	—	—	—	—
Crop residue management	"	138	121	—	—	—	—
Crop rotations	"	6,895	302	—	—	—	—
Green manure crops	"	1,072	700	—	468	16,075	—
Perennial hay crops	"	546	3,224	—	2,865	8,196	273,209
Rotation hay or pasture	"	608	882	—	851	9,124	—
Strip cropping	"	1,368	2,810	—	—	—	—
Grubbing	"	594	7,529	—	—	—	—
Drainage (Farm)	"	197	2,956	13	429	—	—
Drainage (Community)	"	10	21	5	—	—	—
Outlets (Meadow strips)	"	276	3,860	—	3,620	4,831	—

(Over)

Alabama - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Motor Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Reorganization of fields	Acre	1,195	4,804	—	—	—	—
Terracing (Horse)	"	1,153	7,559	—	2,520	—	—
Terracing (Heavy tractor)	"	324	1,134	425	—	—	—
Terracing (Light tractor)	"	1,153	4,031	1,511	—	—	—
GRAZING LAND							
Deferred grazing	"	107	12	—	—	—	—
Fertilizing grazing land	"	1,699	—	—	—	—	—
Liming pasture	"	2,205	—	—	—	—	—
Mowing grazing land	"	2,044	—	—	—	—	—
Scattering droppings	"	2,383	—	—	—	—	—
Seeding of range and pasture plants	"	62	347	—	298	930	—
Stockwater development	Nb.	3	535	—	288	—	—
Mulching	Acre	24	263	—	262	—	—
WOODLAND							
Field and gully planting	"	137	1,513	—	—	—	164,237
Harvest cutting	"	1,504	33,532	—	4,600	—	—
Improvement cuttings	"	5,669	101,582	—	24,777	—	—
Pruning	"	206	900	—	—	—	—
Reinforcement of existing woodland	"	85	261	—	—	—	25,612
Preventing of grazing damage	"	7,266	3,176	—	1,588	—	—
Fire protection	"	2,936	2,566	—	1,283	—	—
TWO OR MORE LAND USES							
Diversions	100 ft.	2/	1	—	—	1	22
Roadside erosion contrl.	Acre	71	78	—	31	—	—
Dune and Beach Erosion control	"	8	108	—	—	—	—
Management of odd areas	"	73	637	—	—	—	—
Management of spoil banks	"	—	—	—	—	—	—
Grass	"	7	41	—	29	117	—
Kudzu	"	2	18	—	6	—	1,117
Pond management	"	35	760	274	—	—	—
Streambank management	"	1	8	—	—	—	—
Wildlife borders	"	291	1,526	255	1,146	2,914	—
Hedges	"	36	159	—	127	—	—
TOTAL			188,889	2,483	45,183	42,183	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area. ARIZONA, 1939 1/

Land Use	Suitable for Continuous Cultivation Classes I, II & III	Suitable for Occasional Cultivation Class IV	Suitable for Grazing or Woodland Use Classes V, VI & VII	Suitable Only for Wildlife Class VIII	Total
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	
LAND IN FARMS	802	1,683	20,199	2,966	25,650
(a) Cropland 2/	512	101	118	6/	731
(b) Grazing land 3/	261	1,574	19,980	2,854	24,669
(c) Woodland 4/	—	—	47	—	47
(d) Other Land in Farms 5/	29	8	54	112	203
LAND NOT IN FARMS	—	2,264	40,149	4,627	47,040
APPROXIMATE TOTAL LAND AREA	802	3,947	60,348	7,593	72,690

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.
- 4/ Woodland not pastured in 1935.
- 5/ Other land in farms in 1935.
- 6/ Less than 1,000.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, ARIZONA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining To Be Done	Skilled & Unskilled Labor	Motor Equip- ment	Horse Equip- ment	Seed	Trees Shrubs Plants
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acres	90	2	—	—	—	—
Crop residue management "	"	190	—	—	—	—	—
Crop rotations	"	725	—	—	—	—	—
Drainage	"	107	—	—	—	—	—
Green manure crops	"	130	28	11	—	1,300	—
Permanent hay & past.	"	40	—	—	—	—	—

(Over)

Arizona - Table 2 - Contimed

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs)	Horse Equip-ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Outlets & Farm watercrs.	Acre	2/	3/	--	--	1	--
Rodent control	"	650	34	--	--	--	--
Strip cropping	"	15	--	--	--	--	--
Terracing	"	75	218	52	--	--	--
Irrigation devel. & Imp.	"	700	2,767	--	--	--	--
Canal lining & pipelines	L.F.	450					
Distribution systems	"	7,000					
Land leveling	Acre	525					
Main laterals & Canals	L.F.	900					
Soil saving dikes	"	1,000					
Structures	No.	1,800					
GRAZING LAND							
Contour furrowing	Acre	92	60	8	--	--	--
Deferred & rotation gras.	"	21,934	--	--	--	--	--
Excl. for eros. contrl.	"	2,854	--	--	--	--	--
Fencing	Mile	6	986	--	--	--	--
Maint. Forage reserves	Acre	21,934	--	--	--	--	--
Mowing grazing land	"	6	--	--	--	--	--
Proper stocking	"	21,934	--	--	--	--	--
Rotation grazing	"	16,450	--	--	--	--	--
Scattering droppings	"	126	44	--	44	--	--
Seeding rge. & past. plts.	"	727	635	41	--	1,818	--
Stockwater development	No.	2	350	146	--	--	--
Water spreading	Acre	120	131	26	--	--	--
WOODLAND							
Fire protection	"	47	3/	--	--	--	--
Shelterbelts & windbrks.	"	1	6	--	--	--	--
TWO OR MORE LAND USES							
Diversions	Mile	2/	122	61	--	--	--
Marsh management	Acre	1	--	--	--	--	--
Management of odd areas	"	5	--	--	--	--	--
Noxious plant contrl.	"	576	6,294	--	--	--	--
Streambank management	"	3	34	--	--	--	3
Streambank protection	Mile	1	1,962	41	--	--	--
TOTALS			13,673	386	44	3,119	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, ARKANSAS, 1939 1/)

Land Use.	Suitable for Continuous Cultivation Classes I, II & III	Suitable for Occasional Cultivation Class IV	Suitable for Grazing or Woodland Use Classes V, VI & VII	Suitable Only for Wildlife Class VIII	Total
	(1,000)	(1,000)	(1,000)	(1,000)	
	(Acres)	(Acres)	(Acres)	(Acres)	
LAND IN FARMS	11,163	277	5,577	35	17,052
(a) Cropland 2/	6,607	63	960	19	7,649
(b) Grazing land 3/	3,455	189	1,950	2	5,596
(c) Woodland 4/	1,101	25	2,667	14	3,807
(d) Other Land in Farms	—	—	—	—	—
LAND NOT IN FARMS	—	—	—	—	—
APPROXIMATE TOTAL LAND AREA	11,163	277	5,577	35	17,052

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow.
- 3/ Grazing land includes plowable pasture, pastured woodland, and other land in farms used for grazing purposes. 4/ 1939 woodland acreage adjusted.
- 5/ 16,691,000 acres of approximate land area; 15,699,000 acres of land not in farms; 992,000 acres of land in farms; and 992,000 acres of other land in farms are not included in these data.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, ARKANSAS, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs)	Horse Equip-ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND							
Contour planting	Acre	2,725	69	2/	34	—	—
Cover crops	"	2,905	957	39	1,833	42,352	—
Crop residue management	"	6,670	—	—	—	—	—
Crop rotation	"	667	—	—	—	—	—
Clearing and grubbing	"	227	40	—	—	—	—
Drainage	"	1,924	8,573	961	7,537	—	—
Green manure crops	"	6,607	14,477	2,705	23,544	94,789	—
Irrigation development	"	39	258	176	176	—	—
Management of odd areas	"	276	1,384	127	1,339	—	54,886
Management of spoil banks	"	8	42	14	55	16	—
Outlets & farm watercourses	"	20	312	106	4,891	—	—
Reorganization of fields	"	—	—	—	—	—	—
Obstruction removal	"	44	464	—	155	—	—
Fencing required	Mile	27	4,029	—	—	—	—
Rotation hay or pasture	Acre	2,186	2,379	314	4,129	21,864	—
Strip cropping	"	2,951	—	—	—	—	—
Streambank management	"	4	16	—	31	37	—
Rodent control	"	998	87	—	—	—	—

(Over)

Arkansas - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Terracing	Acre	2,281	6,716	740	17,482	—	—
Wildlife borders	"	37	43	4	78	366	—
GRAZING LAND							
Contour furrowing	"	913	2,809	248	10,672	—	—
Clearing and grubbing	"	2,904	107,916	—	9,107	—	—
Diversions	Mile	5	292	31	787	—	—
Exclusion for eros. contrl.	Acre	8	22	—	—	—	—
Fire protection	"	6,435	149	—	303	—	—
Fertilizing gras. land	"	5,578	1,950	—	1,950	—	—
Liming pastures	"	3,012	3,475	—	3,475	—	—
Maintaining feed reserves	Tons	251	—	—	—	—	—
Mowing of grazing land	Acre	5,027	1,833	392	2,881	—	—
Proper stocking	"	6,435	—	—	—	—	—
Pond management	"	27	45	—	—	—	—
Perennial hay crops	"	138	562	92	680	1,378	—
Rodent control	"	551	96	—	—	—	—
Rotation grazing	"	6,435	675	—	—	—	—
Salting	"	6,435	—	—	—	—	—
Seeding rge. & past. plts.	"	5,127	1,847	54	3,586	51,275	—
Sodding	"	2,953	23,792	1,599	29,558	—	—
Stockwater development	No.	54	5,490	244	2,601	—	—
WOODLAND							
Field & gully planting	Acre	64	580	—	22	—	63,963
Harvest cutting	"	3,889	—	—	—	—	—
Improvement cuttings	"	3,889	—	—	—	—	—
Reinf. exist. woodland	"	94	164	—	—	—	18,722
Prevention of gras. dam.	"	3,740	—	—	—	—	—
Fencing required	Mile	15	2,165	—	—	—	—
Fire protection	Acre	3,889	231	14	—	—	—
TWO OR MORE LAND USES							
Excl. for eros. contrl.	"	2	6	—	—	—	—
Roadside eros. control.	"	—	27,239	1,808	39,164	—	—
TOTALS			221,184	9,668	166,070	212,077	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, CALIFORNIA, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	10,517	4,645	12,462	2,901	30,525
(a) Cropland 2/	7,048	1,034	570	—	8,652
(b) Grazing land 3/	3,179	3,124	10,464	1,184	17,951
(c) Woodland	290	487	1,428	133	2,338
(d) Other Land in Farms 4/	—	—	—	1,584	1,584
LAND NOT IN FARMS	967	873	51,481	16,509	69,830
APPROXIMATE TOTAL LAND AREA	11,484	5,518	63,943	19,410	100,355

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

4/ Other land in farms in 1935.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, CALIFORNIA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Total
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	Shrubs. Seed Plants (1,000)
CROPLAND						
Contour planting	Acre	2,549	87	—	—	—
Cover crops	"	804	640	—	—	32,160
Crop residue management	"	5,556	772	1,745	—	—
Crop rotation	"	2,494	2,580	1,290	1,284	—
Diversions	Mile	8	—	—	—	—
Emergency tillage	Acre	101	—	—	—	—
Green manure crops	"	1,675	1,747	—	—	3,375
Irrigation						
Development	"	1,000	—	—	—	—
Improvement	"	2,500	880	1,192	894	—
Farm dist. systems	"	1,267	269	54	215	—
Group dist. systems	"	1,200	—	—	—	—
Method of water appl.	"	500	557	371	93	—
Land preparation	"	1,780	382	766	766	—
Springs	No.	20	—	—	—	—
Wells	"	20	—	—	—	—
Mulching	Acre	59	—	—	—	—
Perennial hay crops	"	1,113	287	—	—	565
Rotation hay or pasture	"	1,049	1,967	—	—	5,245
Strip cropping	"	296	—	—	—	—

(Over)

California - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Terracing	Acre	23	—	—	—	—	—
Tillage for imp. water	"	329	—	—	—	—	—
GRAZING LAND							
Contour furrowing	"	61	—	—	—	—	—
Deferred grazing	"	9,767	103	—	—	—	—
Excl. for erosion contrl.	"	512	—	—	—	—	—
Fertilizing graz. land	"	1,519	2	1	1	—	—
Maintaining feed res.	Tons	510	—	—	—	—	—
Maintaining forage res.	Acre	442	—	—	—	—	—
Mowing grazing land	"	620	6	4	4	—	—
Proper stocking	"	8,850	242	—	—	—	—
Rotation grazing	"	9,982	545	—	—	—	—
Salting	"	6,853	218	—	—	—	—
Scattering droppings	"	512	2	1	—	—	—
Seed. rge. & pasture	"	2,348	21	—	—	1,740	—
Stockwater development	No.	7	29	22	13	—	—
Water spreading	Acre	5	9	5	—	—	—
WOODLAND							
Field & gully planting	"	1,000	174	2	—	—	73,000
Harvest cutting	"	5,000	—	—	—	—	—
Improvement cuttings	"	500	—	—	—	—	—
Prev. of graz. damage	"	5,000	234	—	—	—	—
Pruning	"	250	—	—	—	—	—
Reinf. of woodlands	"	50	352	—	—	—	82,000
TWO OR MORE LAND USES							
Clearing and grubbing	"	187	64	48	16	—	—
Drainage	"	800	2,107	2,199	183	—	—
Dune & beach eros. contrl.	"	25	—	—	—	450	1,452,500
Fire protection	"	10,000	16	3	3	—	—
Marsh management	"	22	106	132	44	—	—
Mgt. of odd areas	"	45	11	2	1	—	—
Mgt. of spoil banks	"	7	—	—	—	35	—
Noxious plant control	"	50	413	—	—	—	—
Outlets & farm watercourses	"	11	—	—	—	55	—
Pond management	"	3	—	—	—	—	—
Roadside erosion control	Mile	9	315	340	—	45	—
Reorganization of fields	Acre	5,993	361	50	60	—	—
Pond construction	No.	12	—	—	—	—	—
Rodent control	Acre	560	33	—	—	—	—
Shelterbelts & windbrks.	"	62	633	—	—	—	62,000
Soil saving dams	No.	38	197	63	16	—	—
Streambank mgt.	Acre	64	292	75	49	—	32,000
Wildlife borders	"	6	—	—	—	—	—
TOTALS			16,653	8,365	3,642	43,670	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, COLORADO, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	5,676	4,836	19,794	1,221	31,527
(a) Cropland ^{2/}	4,466	2,527	1,018	2	8,013
(b) Grazing Land ^{3/}	1,084	2,259	18,432	629	22,404
(c) Woodland ^{4/}	6/	—	140	—	140
(d) Other Land in farms ^{5/}	126	50	204	590	970
LAND NOT IN FARMS	—	2,461	29,768	2,782	35,011
APPROXIMATE TOTAL LAND AREA	5,676	7,297	49,562	4,003	66,538

- ^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- ^{2/} Cropland includes land used for crops and idle or fallow.
- ^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.
- ^{4/} Woodland not pastured in 1935.
- ^{5/} Other land in farms in 1935.
- ^{6/} Less than 1,000.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, COLORADO, 1943 (~~SEE~~ FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs Plants
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Clearing and grubbing	Acres	16	55	11	—	—	—
Contour planting	"	6,000	131	—	—	—	—
Cover crops	"	100	—	—	—	—	—
Crop residue management	"	7,600	—	—	—	—	—
Crop rotations	"	5,800	—	—	—	—	—
Drainage	"	800	—	—	—	—	—
Emergency tillage	"	500	—	—	—	—	—
Green manure crops	"	300	66	26	—	3,000	—

(Over)

Colorado - Table 2- Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Outlets & farm watercrs.	Acres	6	11	1	--	30	--
Permanent hay & pasture	"	200	--	--	--	--	--
Rodent control	"	535	1	--	--	--	--
Strip cropping	"	1,500	--	--	--	--	--
Terracing	"	3,000	8,733	2,098	--	--	--
Irrigation develop. & Imp.	"	3,221	8,484	--	--	--	--
Canal lining & pipe lines	L.F.	1,200	--	--	--	--	--
Distribution systems	L.F.	50,000	--	--	--	--	--
Land leveling	Acres	2,410	--	--	--	--	--
Main laterals & canals	L.F.	3,500	--	--	--	--	--
Soil saving dikes	"	575	--	--	--	--	--
Storage dams	No.	3	--	--	--	--	--
Structures	"	8,020	--	--	--	--	--
GRAZING LAND							
Contour furrowing	Acres	500	328	44	--	--	--
Deferred & rotation gras.	"	20,000	--	--	--	--	--
Clearing & grubbing	"	20	70	14	--	--	--
Excl. for eros. contrl.	"	631	--	--	--	--	--
Fencing	Mile	6	1,015	--	--	--	--
Maintain. feed reserves	Tons	170	37	--	30	--	--
Maintain. forage res.	Acres	18,371	--	--	--	--	--
Proper stocking	"	20,000	--	--	--	--	--
Rotation grazing	"	14,132	--	--	--	--	--
Scattering droppings	"	426	149	--	149	--	--
Seeding rge. & past. plts.	"	1,550	1,355	88	--	3,875	--
Stockwater development	No.	5	1,128	472	--	--	--
Water spreading	Acres	600	656	131	--	--	--
WOODLAND							
Fire protection	"	140	2/	--	--	--	--
Harvest cutting	"	100	--	--	--	--	--
Shelterbelts & windbrks.	"	19	234	--	--	--	22,200
TWO OR MORE LAND USES							
Diversions	Mile	5	1,603	802	--	--	--
Dune & beach eros. contrl.	Acres	14	22	8	--	89	--
Marsh management	"	5	--	--	--	--	--
Mgt. of odd areas	"	10	--	--	--	--	--
Toxicous plant control	"	800	8,741	--	--	--	--
Pond management	"	5	--	--	--	--	--
Streambank management	"	2	26	--	--	--	2
Streambank protection	Mile	1	3,923	462	--	--	--
TOTALS			36,768	4,157	179	6,994	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, CONNECTICUT, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	594	200	718	4/	1,512
(a) Cropland ^{2/}	319	80	27	--	426
(b) Grazing Land ^{3/}	110	53	290	--	453
(c) Woodland	102	50	369	--	521
(d) Other Land in Farms	63	17	32	4/	112
LAND NOT IN FARMS	520	188	914	1	1,623
APPROXIMATE TOTAL LAND AREA	1,114	388	1,632	1	3,135

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

^{4/} Less than 1,000.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, CONNECTICUT, 1943 (SEE FOOTNOTE :

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	Seed Plants
						(Tons) (1,000)
CROPLAND						
Contour planting	Acre	236	11	3/	11	--
Cover crops	"	185	142	29	68	1,849
Crop residue mgmt.	"	254	--	--	--	--
Crop rotations	"	352	--	--	--	--
Green manure crops	"	251	154	45	106	2,512
Perennial hay crops	"	43	219	83	329	434
Rotation hay or pasture	"	199	500	218	757	2,490
Strip cropping	"	218	15	--	7	--
GRAZING LAND						
Contour furrowing	"	24	15	1	18	--
Deferred grazing	"	398	--	--	--	--
Fert. estab. graz. land	"	472	219	41	231	--
Liming establ. pastures	"	439	288	19	153	--

(Over)

Connecticut - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs)	Horse Equip-ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Mowing of graz. land	Acre	260	155	15	280	—	—
Rotation grazing	"	391	—	—	—	—	—
Scattering droppings	"	47	17	4	25	—	—
Seeding rge. & past. plts."	"	202	917	106	1,619	3,026	—
Stockwater development	No.	15	390	34	17	—	—
WOODLAND							
Field & gully planting	Acre	69	801	—	13	—	80,000
Harvest cutting	"	232	41	—	—	—	—
Improvement cuttings	"	462	1,374	—	—	—	—
Pruning	"	72	251	—	—	—	—
Reinf. of exist. woodlds."	"	13	51	—	1	5	7,731
Prevention of gras. dam."	"	211	1,173	6	30	—	—
White pine blister rust control	"	264	75	—	—	—	—
TWO OR MORE LAND USES							
Clearing and grubbing	"	59	1,800	264	156	—	—
Diversions	Mile	2/	146	10	1	—	—
Drainage	Acre	20	355	62	115	—	—
Dune & beach eros. contrl."	"	2/	3	2/	3/	—	339
Fire protection	"	605	1,746	158	240	—	—
Hedges	Lin. Ft.	2,524	24	—	—	—	2,524
Mgmt. of odd areas	Acre	14	173	—	—	—	22,800
Mgmt. of spoil banks	"	2/	—	—	—	—	—
Marsh management	"	2/	3	2/	—	—	—
Mulching	"	7	204	—	6	—	—
Outlets & farm watercrs."	"	2	350	19	8	19	—
Roadside erosion control	"	—	428	4	—	83	7,561
Farm pond management	"	1	5	1	2	1	91
Reorganization of fields							
Obstruction removed	"	51	777	15	—	—	—
Fences changed	Mile	1	206	3	—	—	—
Shelterbelts & windbrks.	Acre	1	2/	—	—	2/	53
Streambank erosion control management	"	18	162	7	2/	—	9,400
Terraces	"	17	80	18	3	—	—
Wildlife borders	"	1	7	2/	—	2	547
TOTALS			13,277	1,162	4,196	10,421	

1/ Based on farm planning experience, land capability recommendations, and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000. 3/ Less than 1.

NOTE: These data are preliminary, tentative and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, DELAWARE, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation	Suitable for Occasional Cultivation	Suitable for Grazing or Woodland Use	Suitable Only for Wildlife	Total
	Classes I, II & III	Class IV	Classes V, VI & VII	Class VIII	
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	
LAND IN FARMS	724	32	134	5	895
(a) Cropland ^{2/}	444	16	16	—	476
(b) Grazing Land ^{3/}	65	6	28	1	100
(c) Woodland	138	9	79	—	226
(d) Other land in farms	77	1	11	4	93
LAND NOT IN FARMS	147	27	89	107	370
APPROXIMATE TOTAL LAND AREA	871	59	223	112	1,265

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes. 10,233 acres listed as Cropland in 1939 included in grazing land figures.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, DELAWARE, 1943
(SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip- ment (Yrs)	Horse Equip- ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND							
Contour planting	Acres	103	9	1	2	—	—
Cover crops	"	355	194	39	93	3,550	—
Crop residue management	"	391	—	—	—	—	—
Crop rotations	"	418	—	—	—	—	—
Green manure crops	"	99	43	13	29	1,735	—
Perennial hay crops	"	23	115	43	173	230	—
Rotation hay or pasture	"	86	177	56	243	770	—
Strip cropping	"	34	148	3	7	—	—
GRAZING LAND							
Contour furrowing	"	7	3	3/	4	—	—
Fertilizing established grazing land	"	110	51	22	54	—	—

(Over)

Delaware - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Deferred grazing	Acres	70	—	—	—	—	—
Liming established pastures	"	99	65	40	35	—	—
Mowing grazing land	"	91	40	72	—	—	—
Rotation grazing	"	95	588	—	—	—	—
Scattering droppings	"	5	2	3/	3	—	—
Seeding of range and pasture plants	"	66	254	352	438	497	—
Stockwater development	No.	1	110	35	7	—	—
WOODLAND							
Field & gully planting	Acres	15	171	9	4	17	23,775
Harvest cutting	"	86	15	—	—	—	—
Improvement cuttings	"	173	513	—	—	—	—
Pruning	"	26	91	—	—	—	—
Reinforcement of existing woodlands	"	3	14	3/	3/	1	1,404
Prevention of grazing damage	"	11	62	1	2	—	—
TWO OR MORE LAND USES							
Clearing and grubbing	"	20	1,268	358	101	—	—
Drainage	"	175	3,142	581	1,039	—	—
Dune and beach erosion control	"	2	164	2	1	—	8,325
Fire protection	"	668	1,927	174	266	—	—
Hedges	Lin. Ft.	7,175	61	1	3	—	7,180
Management of odd areas	Acres	5	53	2	2	22	9,800
Management of spoil banks	"	1	19	3/	3/	6	2,600
Marsh management	"	3	129	17	25	—	—
Mulching	"	14	516	5	15	—	—
Outlets & farm waterways	"	1	101	7	2	7	—
Diversions	Mile	2/	70	7	1	—	—
Roadside erosion control	"	—	146	9	—	3/	9,720
Farm pond management	Acres	2/	13	1	3/	—	—
Shelterbelts & windbrks.	"	4	3/	1	—	—	—
Streambank erosion control management	"	2	19	3/	1	—	3,200
Terraces	"	32	132	46	61	—	—
Wildlife borders	"	1	7	3/	3/	3/	700
TOTALS			10,432	1,897	2,611	6,835	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, FLORIDA, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	3,025	1,571	3,738	3	8,337
(a) Cropland ^{2/}	1,412	447	354	--	2,213
(b) Grazing Land ^{3/}	305	88	250	--	643
(c) Woodland	734	369	1,543	3	2,649
(d) Other Land In Farms	574	667	1,591	--	2,832
LAND NOT IN FARMS	5,490	5,026	12,846	3,028	26,390
APPROXIMATE TOTAL LAND AREA	8,515	6,597	16,584	3,031	34,727

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land acreage is the Census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, FLORIDA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	Seed Plants (1,000)
CROPLAND						
Contour planting	Acre	815	1,068	--	--	--
Cover crops	"	347	303	--	--	--
Crop residue management	"	239	209	--	--	--
Crop rotations	"	1,761	77	--	--	--
Green manure crops	"	282	185	--	123	4,235
Perennial hay crops	"	325	1,915	--	1,702	4,869
Strip cropping	"	133	272	--	--	--
Clearing woods	"	2/	33	--	--	--
Grubbing	"	193	2,445	--	--	--
Drainage (Farm)	"	194	2,893	13	401	--
Drainage (Community)	"	10	20	4	--	--
Outlets (Meadow strips)	"	32	440	--	413	551

(over)

Florida - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
	Acres						
Reorganization of fields	"	232	933	—	—	—	—
Terracing (Horse)	"	500	3,279	—	1,093	—	—
Terracing (Heavy tractor)	"	111	388	145	—	—	—
Terracing (Light tractor)	"	500	2,749	656	—	—	—
GRAZING LAND							
Deferred grazing	"	170	20	—	—	—	—
Fertilizing grazing land	"	717	—	—	—	—	—
Liming pasture	"	837	—	—	—	—	—
Mowing grazing land	"	740	—	—	—	—	—
Proper stocking	"	447	97	—	—	—	—
Scattering droppings	"	84	—	—	—	—	—
Seeding of range and pasture plants	"	183	1,024	—	881	2,750	—
Mulching	"	9	98	—	194	—	—
WOODLAND							
Field and gully planting	"	16	177	—	—	—	18,876
Harvest cutting	"	531	11,836	—	1,625	—	—
Improvement cuttings	"	2,063	36,960	—	9,015	—	—
Pruning	"	32	159	—	—	—	—
Reinforcement of existing woodland	"	27	82	—	—	—	8,028
Prevention of grazing damage	"	2,637	1,152	—	576	—	—
Fire protection	"	2,097	1,833	—	916	—	—
TWO OR MORE LAND USES							
Roadside erosion control	"	7	8	—	3	—	—
Dune and beach erosion control	"	198	2,688	—	—	—	—
Management of odd areas	"	19	166	—	—	—	—
Management of spoil banks	"						
Grass	"	2/	3/	—	3/	1	—
Kudzu	"	2/	3/	—	3/	—	12
Pond management	"	9	197	71	—	—	—
Stream bank management	"	2/	2	—	—	—	—
Wildlife borders	"	75	393	65	293	75	—
Hedges	"	9	39	—	31	—	—
TOTAL			74,120	954	17,266	12,481	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, GEORGIA, 1939 1/

Land Use	Suitable for Continuous Cultivation Classes		Suitable for Occasional Cultivation Class	Suitable for Grazing or Woodland Use Classes		Suitable Only for Wildlife Class	Total
	I, II, & III		IV	V, VI, & VII		VIII	
	(1,000)	(Acres)	(1,000)	(1,000)	(Acres)	(1,000)	
LAND IN FARMS	12,555		2,805		8,513	10	23,683
(a) Cropland 2/	8,180		895		1,102	—	10,177
(b) Grazing Land 3/	967		180		366	—	1,513
(c) Woodland	2,585		1,448		6,132	10	10,175
(d) Other Land in Farms	623		282		913	—	1,818
LAND NOT IN FARMS	3,414		1,642		8,712	—	13,768
APPROXIMATE TOTAL LAND AREA	15,769		4,447		17,225	10	37,451

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land acreage is the Census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, GEORGIA, 1945 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining To Be Done	Skilled & Unskilled Labor	Motor Equip-ment	Horse Equip-ment	Trees Shrubs Seed Plants	
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons) (1,000)	
CROPLAND							
Contour planting	Acre	545	715	—	—	—	
Cover crops	"	3,061	2,675	—	—	—	
Crop residue management	"	423	369	—	—	—	
Crop rotations	"	8,527	373	—	—	—	
Green manure crops	"	2,126	1,593	—	929	31,889	
Perennial hay crops	"	523	3,109	—	2,763	7,905	
Strip cropping	"	2,270	4,662	—	—	—	
Clearing woods	"	1	108	—	—	—	
Grubbing	"	407	5,161	—	—	—	
Drainage (Farm)	"	506	7,561	34	1,098	—	
Drainage (Community)	"	27	55	12	—	—	
Outlets (Meadow strips)	"	386	5,394	—	5,061	6,750	
Reorganization of fields	"	1,453	5,844	—	—	—	

(over)

Georgia - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Terracing (Horse)	Acre	5,576	23,444	—	7,815	—	—
Terracing (Heavy Tractor)	"	784	2,739	1,027	—	—	—
Terracing (Light Tractor)	"	5,576	12,503	4,688	—	—	—
GRAZING LAND							
Deferred grazing	"	134	15	—	—	—	—
Fertilizing gras.land	"	1,549	—	—	—	—	—
Liming pastures	"	1,716	—	—	—	—	—
Mowing grazing land	"	1,850	—	—	—	—	—
Scattering droppings	"	185	—	—	—	—	—
Seeding of range and pasture plants	"	138	771	—	662	2,066	—
Stockwater development	No.	3	534	—	236	—	—
Mulching	Acre	19	213	—	212	—	—
WOODLAND							
Field & gully planting	"	281	3,106	—	—	—	337,031
Harvest cutting	"	2,103	46,867	—	6,433	—	—
Improvement cuttings	"	7,566	155,580	—	33,068	—	—
Pruning	"	263	1,149	—	—	—	—
Reinforcement of exist- ing woodland	"	105	323	—	—	—	31,630
Prevention of graz.damage	"	10,134	4,429	—	2,215	—	—
Fire protection	"	10,134	8,858	—	4,469	—	—
TWO OR MORE LAND USES							
Diversions	100 ft.	2/	3/	—	—	3/	4
Roadside erosion control	Acre	98	107	—	43	—	—
Dune & beach ero. cont.	"	41	556	—	—	—	—
Management of odd areas	"	101	879	—	—	—	—
Management of spoil banks							
Grass	"	2/	1	—	—	3	—
Kudzu	"	2/	3/	—	—	—	32
Pond management	"	32	721	255	—	—	—
Stream bank management	"	2	17	—	—	—	—
Wildlife borders	"	353	1,851	309	1,390	3,530	—
Hedges	"	50	220	—	174	—	—
TOTALS			282,302	6,325	66,568	52,143	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, IDAHO, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	2,484	1,357	5,604	852	10,297
(a) Cropland ^{2/}	2,425	1,196	308	—	3,929
(b) Grazing Land ^{3/}	59	161	4,604	8	4,832
(c) Woodland	—	—	692	—	692
(d) Other Land in Farms ^{4/}	—	—	—	844	844
LAND NOT IN FARMS	—	—	37,426	5,236	42,662
APPROXIMATE TOTAL LAND AREA	2,484	1,357	43,030	6,088	52,959

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

^{4/} Other land in farms in 1935.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, IDAHO, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Meter	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs Seed
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons) (1,000)
CROPLAND						
Contour Planting	Acre	1,465	50	—	—	—
Cover Crops	"	^{2/}	^{3/}	—	—	40
Crop Residue Management	"	2,364	227	513	—	—
Crop Rotation	"	1,292	300	165	165	—
Diversions	Mile	1	—	—	—	—
Emergency Tillage	Acre	193	—	—	—	—
Green Manure Crops	"	1,482	621	—	—	7,410
Irrigation						
Development	Acre	60	—	—	—	—
Improvement	"	1,500	—	—	—	—
Dams	No.	^{2/}	450	240	120	—
Farm Dist. Systems	Acre	1,071	1,946	464	1,481	—
Group Dist. Systems	"	350	587	587	—	—
Land Preparation	"	831	1,174	2,250	1,948	—
Methods of Water Appl.	"	1,100	3,257	2,064	634	—
Springs	No.	6	1	^{3/}	1	—
Wells	"	^{2/}	8	27	—	—

(Over)

Idaho - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Mulching	Acre	12	—	—	—	—	—
Perennial Hay Crops	"	556	320	—	—	2,780	—
Rotation Hay or Pasture	"	671	386	—	—	3,351	—
Strip Cropping	"	148	—	—	—	—	—
Terracing	"	7	—	—	—	—	—
Tillage to Impound Water	"	170	—	—	—	—	—
GRAZING LAND							
Deferred Grazing	Acre	4,965	77	—	—	—	—
Excl. for Eros. Control	"	1,462	—	—	—	—	—
Fertilizing Grazing Land	"	420	21	8	8	—	—
Maintaining Feed Reserves	Ten	53	—	—	—	—	—
Maintain. Forage Reserves	Acres	236	—	—	—	—	—
Mowing Grazing Land	"	323	18	13	13	—	—
Proper Stocking	"	4,720	181	—	—	—	—
Rotation Grazing	"	4,829	372	—	—	—	—
Salting	"	2,327	103	—	—	—	—
Scattering Droppings	"	293	12	9	—	—	—
Seeding Range & Past. Plts.	"	1,027	283	—	—	5,135	—
Stockwater Development	No.	4	32	20	8	—	—
WOODLAND							
Field and Gully Planting	Acre	200	5	—	—	—	—
Harvest Cutting	"	2,250	—	—	—	—	—
Improvement Cuttings	"	225	—	—	—	—	—
Prevention of Graz. Damage	"	2,250	669	—	—	—	—
Pruning	"	110	—	—	—	—	—
Reinforce. of Exist. Wood.	"	50	181	—	—	—	25,000
TWO OR MORE LAND USES							
Clearing and Grubbing	Acre	69	49	37	12	—	—
Drainage	"	216	361	406	15	—	—
Dune & Beach Eros. Cont.	"	10	—	—	—	180	—
Fire Protection	"	5,000	2	3/	—	—	—
Marsh Management	"	7	32	39	13	—	—
Management of Odd Areas	"	47	50	7	3	—	—
Management of Spoilbanks	"	2	—	—	—	—	—
Nexious Plant Control	"	35	282	—	—	—	—
Outlets & Farm Watercourses	"	2	—	—	—	5	—
Pond Management	"	2	—	—	—	—	—
Pond Construction	No.	6	—	—	—	—	—
Roadside Erosion Control	Mile	4	23	36	—	20	—
Rodent Control	Acre	585	49	—	—	—	—
Reorganization of Fields	"	3,111	18	6	3	—	—
Shelterbelts & Windbreaks	"	19	146	—	—	—	19,000
Soil Saving Dams	No.	2/	1	3/	3/	—	—
Streambank Management	Acre	10	1,085	279	—	—	25,000
Wildlife Borders	"	10	—	—	—	—	—
TOTALS			15,339	7,170	4,424	18,921	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, ILLINOIS, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	24,085	3,199	3,747	--	31,031
(a) Cropland 2/	19,012	2,389	1,658	--	23,059
(b) Grazing Land 3/	2,870	523	971	--	4,364
(c) Woodland	925	133	853	--	1,911
(d) Other land in farms	1,278	154	265	--	1,697
LAND NOT IN FARMS	57	2,270	2,446	--	4,773
APPROXIMATE TOTAL LAND AREA	24,142	5,469	6,193	--	35,804

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow. 1939 cropland and grazing land data were adjusted by shifting the acreage of rotation pasture from grazing land to cropland.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices and amounts of labor, equipment, and materials required in their application, ILLINOIS, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled & Unskilled	Motor	Horse	Trees
		To Be Done	Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	Seed Plants (1,000)
CROPLAND						
Contour planting	Acre	6,870	--	--	--	--
Cover crops	"	497	--	--	--	--
Crop residue management	"	491	--	--	--	--
Crop rotation	"	18,167	--	--	--	--
Rotation hay or pasture	"	7,486	1,633	1,633	--	--
Strip cropping	"	1,676	--	--	--	--
Terracing	"	3,147	3,344	3,344	--	--
GRAZING LAND						
Fert. grazing land	"	5,903	--	312	--	--
Liming pastures	"	6,258	--	--	--	--
Mowing grazing land	"	7,536	1,990	5,207	--	--
Proper stocking	"	6,286	--	--	--	--
Seeding rge. & past. plts."	"	7,578	99	331	--	45,453
Stockwater development	No.	17	984	443	--	--

(Over)

Illinois - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs)	Horse Equip-ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
WOODLAND							
Field & gully planting	Acres	714	13,781	1,652	—	3,290	785,545
Harvest cutting	"	373	326	79	—	—	—
Improvement cuttings	"	1,686	8,839	1,436	—	—	—
Reinf. of exist. woodlds.	"	421	1,763	440	514	321	31,924
Prev. of graz. damage	"	1,222	540	—	—	—	—
TWO OR MORE LAND USES							
Roadside eros. control	"		5,595	2,833	—	1,741	—
Drainage	"	510	10,643	63	1,415	34	—
Fire protection	"	747	196	5	—	—	—
Management of odd areas	"	112	1,271	17	—	2,797	55,928
Management of spoil banks	"	24	1,136	—	—	59	5,905
Outlets & farm watercourses	"	519	12,501	1,762	—	6,219	—
Pond management	"	1	8	—	—	—	715
Soil saving dams	No.	42	11,823	6,114	—	—	—
Streambank control	Acres	2/	4	2	—	—	51
Wildlife borders	"	50	18	—	91	339	4,919
TOTALS			76,494	25,673	2,020	61,263	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, INDIANA, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	15,181	1,846	2,772	2	19,801
(a) Cropland ^{2/}	11,278	1,043	864	1	13,186
(b) Grazing Land ^{3/}	1,727	463	553	1	2,744
(c) Woodland	1,114	217	1,098	—	2,429
(d) Other Land In Farms	1,062	123	257	—	1,442
LAND NOT IN FARMS	192	1,282	1,896	—	3,370
APPROXIMATE TOTAL LAND AREA	15,373	3,128	4,668	2	23,171

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow. 1939 Cropland and Grazing land data were adjusted by shifting the acreage of rotation pasture from Grazing land to Cropland.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, INDIANA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip- ment	Equip- ment	Shrubs Plants
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons) (1,000)
CROPLAND						
Contour Planting	Acre	3,829	—	—	—	—
Cover Crops	"	5	—	—	—	—
Crop Residue Management	"	141	—	—	—	—
Crop Rotation	"	7,294	—	—	—	—
Green Manure Crops	"	245	—	—	—	—
Rotation Hay or Pasture	"	4,503	118	2,368	—	—
Strip Cropping	"	2,062	—	—	—	—
Diversions	"	88	231	77	—	—
Terracing	"	751	788	788	—	—
GRAZING LAND						
Fertilizing Grazing Land	Acre	2,864	1,246	22	2,457	—
Liming Pastures	"	2,817	—	—	—	—

(Over)

Indiana - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Mowing Grazing Land	Acre	3,624	1,654	124	3,058	—	—
Seeding Range & Past.Plts.	"	2,074	2,865	1,025	6,394	12,227	—
Stockwater Development	No.	15	810	418	14	—	—
WOODLAND							
Field & Gully Planting	Acre	367	6,092	802	—	934	917,150
Harvest Cutting	"	244	214	21	—	—	—
Improvement Cuttings	"	2,089	7,306	913	—	—	—
Reinforce. of Exist. Wood.	"	560	2,102	472	699	411	39,962
Prevention of Graz. Damage	"	1,585	614	—	—	—	—
TWO OR MORE LAND USES							
Marsh Management	Acre	107	472	—	—	—	—
Roadside Erosion Control			3,235	599	73	560	—
Drainage	Acre	869	3,773	298	213	101	—
Dune & Beach Eros. Cont.	"	18	6	6	—	—	220,884
Fire Protection	"	422	111	28	—	—	—
Management of Odd Areas	"	417	4,740	—	—	912	182,365
Management of Spoilbanks	"	12	—	—	—	—	—
Outlets & Farm Watercourses"		24	2,068	369	—	177	—
Reorganization of Fields							
Obstruction Removal	Mile	30	—	—	—	—	—
Shelterbelts & Windbreaks	Acre	10	7	2/	23	—	—
Soil Saving Dams	No.	9	1,813	604	—	—	—
Streambank Eros. Control	Acre	3	363	17	—	4	158
Wildlife Borders	"	54	190	—	178	362	5,369
TOTALS			40,818	8,951	15,109	15,688	

- 1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.
- 2/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, IOWA, 1939 1/

Land Use	Suitable for Continuous Cultivation	Suitable for Occasional Cultivation	Suitable for Grazing or Woodland Use	Suitable Only for Wildlife	Total
	Classes I, II & III (1,000) (Acres)	Class IV (1,000) (Acres)	Classes V, VI & VII (1,000) (Acres)	Class VIII (1,000) (Acres)	
LAND IN FARMS	27,157	3,108	3,885	—	34,150
(a) Cropland 2/	22,466	2,390	2,212	—	27,068
(b) Grazing land 3/	2,641	461	839	—	3,941
(c) Woodland	595	92	611	—	1,298
(d) Other land in Farms	1,455	165	223	—	1,843
LAND NOT IN FARMS	62	655	964	—	1,681
APPROXIMATE TOTAL LAND AREA	27,219	3,763	4,849	—	35,831

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow. 1939 cropland and grazing land data were adjusted by shifting the acreage of rotation pasture from grazing land to cropland.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, IOWA, 1943, (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip- ment (Yrs)	Horse Equip- ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND							
Contour planting	Acre	10,208	—	—	—	—	—
Crop residue management	"	1,371	—	—	—	—	—
Crop rotation	"	18,307	—	—	—	—	—
Rotation hay or pasture	"	6,099	178	1,085	—	—	—
Strip cropping	"	2,613	—	—	—	—	—
Terracing	"	1,754	1,886	1,886	651	—	—
GRAZING LAND							
Fertilizing grazing land	"	5,656	873	828	—	—	—
Liming pastures	"	5,541	—	—	—	—	—
Mowing grazing land	"	8,010	2,101	2,099	—	—	—
Proper stocking	"	4,599	—	—	—	—	—
Seeding rge. & past. plts.	"	7,740	101	338	—	47,448	—
Stockwater development	No.	32	2,286	1,295	4	—	—

(Over)

Iowa - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Irs)	Horse Equip-ment (Irs)	Seed (Tons)	Trees Shrubs Plants (1,000)
WOODLAND							
Field & gully planting	Acre	560	12,969	1,468	—	1,351	615,868
Harvest cutting	"	49	43	43	—	—	—
Improvement cuttings	"	1,271	8,891	1,111	—	—	—
Reinf. existing woodlands	"	167	1,471	248	80	293	48,102
Prevention of graz. dam.	"	1,733	754	—	—	—	—
TWO OR MORE LAND USES							
Marsh management	"	361	1,735	—	—	—	—
Roadside eros. contrl.	"	—	13,213	4,353	—	2,393	—
Drainage	"	496	8,625	10	1,150	34	—
Fire protection	"	529	208	17	—	—	—
Management of odd areas	"	157	1,788	—	—	393	78,665
Management of spoil banks	"	22	781	—	—	41	4,843
Outlets and farm water-courses	"	611	775	2,855	—	8,868	—
Pond management	"	25	452	—	—	49	19
Reorganization of fields							
Obstruction removal	"	30	—	—	—	—	—
Soil saving dams	No.	115	93,741	26,369	—	—	—
Streambank control	Acre	30	496	—	—	—	5,968
Streambank structure	No.	164	13,591	3,838	—	—	—
Wildlife borders	Acre	37	130	—	87	248	3,667
TOTALS			167,088	47,843	1,972	61,118	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, KANSAS, 1939 1/

Land Use	Suitable for Continuous Cultivation	Suitable for Occasional Cultivation	Suitable for Grazing or Woodland Use	Suitable Only for Wildlife	Total
	Classes I, II, & III (1,000) (Acres)	Class IV (1,000) (Acres)	Classes V, VI, VII (1,000) (Acres)	Class VIII (1,000) (Acres)	
LAND IN FARMS	26,932	6,436	14,182	623	48,173
(a) Cropland 2/	21,275	3,539	3,241	17	28,072
(b) Grazing Land 3/	4,532	2,679	9,999	466	17,676
(c) Woodland	155	27	525	4	711
(d) Other Land in Farms	970	191	417	136	1,714
LAND NOT IN FARMS	2,278	644	1,399	57	4,378
APPROXIMATE TOTAL LAND AREA	29,210	7,080	15,581	680	52,551

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, KANSAS, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Equip- ment	Seed	Trees
		To Be Done (1,000)	Unskilled Labor (Man Yrs.)			Shrubs Plants (1,000)
CROPLAND						
Contour Planting	Acre	7,423	—	—	—	—
Crop Residue Management	"	22,956	—	—	—	—
Diversions	Mile	22	408	408	—	—
Drainage	Acre	33	17	17	—	—
Outlets & Farm Watercourses	"	500	2,279	687	5,179	—
Rotation Hay or Pasture	"	6,557	—	—	—	—
Shelterbelts & Windbreaks	"	380	3,989	327	—	380,280
Strip Cropping	"	3,821	—	—	—	—
Terracing	"	8,192	9,660	9,660	—	—
Irrigation - Farm Dist. System	"	34	53	1	—	—
Irrigation - Land Preparation	"	20	33	17	—	—
Irrigation - Main Laterals	Mile	2/	5	1	—	—
Irrigation - Method of Water Application	Acre	15	—	—	—	—

(Over)

Kansas - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Irrigation - Pump from Streams	No.	2/	28	—	—	—
Irrigation - Storage Dams	"	2/	57	12	—	—
Irrigation - Wells	"	2/	30	5	—	—
GRAZING LAND						
Contour Furrowing	Acre	1,105	145	145	—	—
Fire Protection	"	413	—	—	—	—
Mowing Grazing Land	"	2,187	—	—	—	—
Proper Stocking	"	10,064	—	—	—	—
Rotation & Deferred Grazing	"	7,283	—	—	—	—
Seeding Range & Past. Plants	"	3,324	1,076	1,076	20,616	—
Stockwater Development	No.	23	944	300	—	—
Stockwater Dams, Springs	"	20	795	265	—	—
Stockwater Wells	"	3	149	35	—	—
Water Spreading	Acre	33	86	58	—	—
WOODLAND						
Fire Protection	Acre	707	2	—	—	—
Harvest & Improve. Cuttings	"	375	819	—	—	—
Prevention of Graz. Damage	"	610	—	—	—	—
Reinforce. of Existing Woodland	"	127	462	—	—	24,018
TWO OR MORE LAND USES						
Pond Management	Acre	18	70	—	—	1,732
Marsh Management	"	11	21	—	27	1,077
Wildlife Borders	"	57	113	25	143	18,212
Management of Odd Areas	"	422	830	—	422	42,179
Soil Saving Dams	No.	2	464	27	—	—
Streambank Management	Acre	6	14	—	—	565
Roadside Erosion Control	Mile	4	125	38	286	—
Fencing	"	1	48	—	—	—
TOTALS			21,778	12,804	26,673	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

KENTUCKY

- 42 -

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, KENTUCKY, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	10,495	4,885	4,915	—	20,295
(a) Cropland ^{2/}	4,558	1,178	773	—	6,509
(b) Grazing land ^{3/}	3,397	1,932	1,374	—	6,703
(c) Woodland	1,608	1,032	1,953	—	4,593
(d) Other land in farms	932	743	815	—	2,490
LAND NOT IN FARMS	1,485	1,332	2,559	—	5,376
APPROXIMATE TOTAL LAND AREA	11,980	6,217	7,474	—	25,671

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land acreage is the Census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, KENTUCKY, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(man Yrs.)	(Yrs.)	(Yrs.)	Seed Plants (1,000)
CROPLAND						
Contour planting	Acre	1,926	2,526	—	—	—
Cover crops	"	90	78	—	—	—
Crop residue management	"	1,269	1,109	—	—	—
Crop rotations	"	5,639	246	—	—	—
Green manure crops	"	1,314	861	—	574	19,710
Perennial hay crops	"	883	5,212	—	4,633	13,250
Strip cropping	"	1,207	2,479	—	—	—
Clearing woods	"	2/	3	—	—	—
Grubbing	"	2,011	25,487	—	—	—
Drainage (Farm)	"	24	311	2	49	—
Drainage (Community)	"	1	4	3/	—	—
Outlets (Meadow strips)	"	246	3,434	—	3,220	4,297
Rotation hay or pasture	"	2,606	3,758	—	3,644	39,083

(over)

Kentucky - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Reorganization of fields	Acres	223	896	—	—	—	—
Terracing (Horse)	"	2,185	14,324	—	4,775	—	—
Terracing (Heavy tractor)	"	486	1,698	637	—	—	—
Terracing (Light tractor)	"	2,185	7,639	2,865	—	—	—
GRAZING LAND							
Deferred grazing	"	365	40	—	—	—	—
Fertilizing grazing land	"	5,613	—	—	—	—	—
Liming pasture	"	6,765	—	—	—	—	—
Mowing grazing-land	"	7,115	—	—	—	—	—
Scattering droppings	"	711	—	—	—	—	—
Seeding of range and pasture plants	"	365	2,043	—	1,756	5,480	—
Stockwater development	No.	14	2,537	—	1,119	—	—
Mulching	Acres	71	780	—	777	—	—
WOODLAND							
Field and gully planting	"	150	1,664	—	—	—	180,599
Harvest cutting	"	961	21,421	—	2,939	—	—
Improvement cuttings	"	3,842	68,856	—	16,794	—	—
Reinforcement of existing woodland	"	48	147	—	—	—	14,412
Prevention of grazing damage	"	4,940	2,159	—	1,079	—	—
Fire protection	"	4,940	4,317	—	2,159	—	—
TWO OR MORE LAND USES							
Diversions	100 ft.	2/	1	—	—	3/	13
Roadside erosion control	Acres	56	62	—	24	—	—
Management of odd areas	"	56	494	—	—	—	—
Management of spoil banks							
Grass	"	2/	3/	—	3/	3/	—
Kudzu	"	2/	—	—	—	—	—
Pond management	"	38	829	298	—	—	—
Stream bank management	"	1	1	—	—	—	—
Wildlife borders	"	229	1,201	201	903	2,290	—
Hedges	"	27	119	—	94	—	—
TOTAL			176,736	4,003	44,539	84,110	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, LOUISIANA, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	6,793	—	2,095	5	8,893
(a) Cropland ^{2/}	3,997	—	554	5	4,556
(b) Grazing land ^{3/}	1,869	—	547	—	2,416
(c) Woodland ^{4/}	927	—	1,194	—	2,121
(d) Other land in farms	—	—	—	—	—
LAND NOT IN FARMS	—	—	—	—	—
APPROXIMATE TOTAL LAND AREA ^{5/}	6,793	—	2,095	5	8,893

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture, pastured woodland, and other land in farms used for grazing purposes.

^{4/} Woodland acreage adjusted.

^{5/} 20,021,000 acres of approximate land area; 18,918,000 acres of land not in farms; 1,103,000 acres of land in farms; 627,000 acres of other land in farms; 42,000 acres of woodland; 194,000 acres of grazing land; and 240,000 acres of cropland are not included in these data.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, LOUISIANA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs)	(Yrs.)	(Yrs.)	Seed (Tons) (1,000)
CROPLAND						
Contour planting	Acres	1,753	33	2	15	—
Cover crops	"	1,953	36	1	70	1,661
Crop residue mgmt.	"	3,997	—	—	—	—
Crop rotation	"	3,997	—	—	—	—
Clearing and grubbing	"	153	27	—	—	—
Drainage	"	1,088	5,091	570	4,483	—
Green manure crops	"	3,997	8,161	1,919	12,483	50,319
Irrigation development	"	116	772	528	528	—
Management of odd areas	"	148	728	77	694	—
Mgmt. of spoil banks	"	9	46	15	62	18
Outlets & farm water courses	"	15	2,335	91	3,652	—

(over)

Louisiana - Table 2. - Continued

Practices according To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unkilled Labor (Man Yrs)	Motor Equip- ment (Yrs.)	Horse Equip- ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND - Continued							
Rodent control	Acres	1,352	118	—	—	—	—
Reorganization of fields							
Obstruction removal	"	25	266	—	89	—	—
Fencing required	Mile	16	2,295	—	—	—	—
Rotation hay or pasture	Acres	1,145	1,065	260	1,610	11,453	—
Strip cropping	"	1,821	—	—	—	—	—
Stream bank mgmt.	"	1	6	—	12	14	—
Terracing	"	1,543	4,258	520	11,254	—	—
Wildlife borders	"	18	21	2	39	184	—
GRAZING LAND							
Contour furrowing	"	243	773	40	2,200	—	—
Clearing & grubbing	"	899	17,159	—	2,712	—	—
Diversions	Mile	1	15,043	9	165	—	—
Fire protection	Acres	2,760	99	—	200	—	—
Fertilizing graz.land	"	2,746	960	—	960	—	—
Liming pastures	"	962	1,110	—	1,110	—	—
Maintaining feed reserves	Tons	138	—	—	—	—	—
Mowing of grazing land	Acres	2,681	914	283	1,263	—	—
Proper stocking	"	2,760	—	—	—	—	—
Pond management	"	15	26	—	—	—	—
Perennial hay crops	"	82	353	46	445	819	—
Rodent control	"	1,030	180	—	—	—	—
Rotation grazing	"	2,760	289	—	—	—	—
Sating	"	2,760	—	—	—	—	—
Seeding f range & pasture plants	"	2,348	846	26	1,642	23,485	—
Sodding	"	497	4,141	209	5,244	—	—
Stockwater development	No.	32	4,069	130	2,288	—	—
WOODLAND							
Field & gully planting	Acres	7	64	—	2	—	7,004
Harvest cutting	"	2,131	—	—	—	—	—
Improvement cuttings	"	2,131	—	—	—	—	—
Reinforcement of exist- ing woodlands	"	7	11	—	—	—	1,314
Prevention of graz.dam.		2,071	—	—	—	—	—
Fencing required	Mile	8	1,217	—	—	—	—
Fire protection	Acres	1,131	17	7	—	—	—
TWO OR MORE LAND USES							
Exclusion for erosion control		4	12	—	—	—	—
Road d erosion cont.			2,157	1,169	30,983	—	—
TOTALS			93,808	5,904	84,205	87,953	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, MAINE, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	2,080	573	1,565	6	4,224
(a) Cropland ^{2/}	1,064	137	69	—	1,270
(b) Grazing Land ^{3/}	463	130	347	—	940
(c) Woodland	428	265	1,084	6	1,783
(d) Other Land in Farms	125	41	65	—	231
LAND NOT IN FARMS	4,876	1,641	9,100	25	15,642
APPROXIMATE TOTAL LAND AREA	6,956	2,214	10,665	31	19,866

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms quantities of practices, and amounts of labor, equipment, and materials required in their application, MAINE, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees	
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Seed	
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour Planting	Acre	775	34	^{3/}	34	—	—
Cover Crops	"	389	297	61	143	3,888	—
Crop Residue Management	"	783	—	—	—	—	—
Crop Rotation	"	1,119	—	—	—	—	—
Green Manure Crops	"	492	301	88	208	4,923	—
Perennial Hay Crops	"	142	713	270	1,075	1,418	—
Rotation Hay or Pasture	"	606	1,523	662	2,305	7,075	—
Strip Cropping	"	811	57	—	28	—	—
GRAZING LAND							
Contour Furrowing	Acre	32	21	2	24	—	—
Deferred Grazing	"	743	—	—	—	—	—
Fertilizing Grazing Land	"	989	458	87	484	—	—
Liming Pastures	"	936	614	41	327	—	—
Mowing Grazing Land	"	507	302	288	545	—	—
Rotation Grazing	"	878	—	—	—	—	—

(Over)

Maine - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Scattering Droppings	Acre	131	49	11	69	—	—
Seeding Range & Past.Plts."		579	721	83	1,274	2,385	—
Stockwater Development	No.	31	1,180	76	58	—	—
WOODLAND							
Field & Gully Planting	Acre	261	3,019	—	80	294	414,468
Harvest Cutting	"	806	141	—	—	—	—
Improvement Cuttings	"	1,568	4,660	—	—	—	—
Pruning	"	221	772	—	—	—	—
Reinforce. of Exist. Wood."		39	150	—	4	15	22,750
Prevention of Graz. Damage"		606	3,365	16	85	—	—
White Pine Blister Rust Control	"	829	236	—	—	—	—
TWO OR MORE LAND USES							
Marsh Management	Acre	2/	2	3/	—	—	—
Clearing and Grubbing	"	143	5,382	745	452	—	—
Diversions	Mile	2	698	51	7	—	—
Drainage	Acre	78	1,411	269	472	—	—
Dune & Beach Eros. Cont.	"	1	3/	3/	3/	—	5,550
Fire Protection	"	1,771	4,496	407	620	—	—
Hedges	Lin.Ft.	5,685	53	—	—	—	5,685
Management of Odd Areas	Acre	35	420	—	—	157	69,950
Mulching	"	16	581	—	17	—	—
Outlets & Farm Watercourses"		7	1,278	73	32	82	—
Roadside Erosion Control			1,001	13	—	42	8,447
Farm Pond Management	Acre	2	11	2	3	3	194
Reorganization of Fields							
Obstruction Removal	Acre	170	3,269	59	—	—	—
Fences Changed	Mile	2	862	1	10	—	—
Shelterbelts & Windbreaks	Acre	2	3/	—	3/	787	197
Streambank Erosion Control							
Management	"	51	459	14	7	—	27,600
Terracing	"	56	25	6	1	—	—
Wildlife Borders	"	3	42	—	1	12	3,499
TOTALS			38,603	3,325	8,365	21,081	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, MARYLAND 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	2,997	385	803	14	4,199
(a) Cropland 2/	1,702	140	137	—	1,979
(b) Grazing land 3/	498	82	241	2	823
(c) Woodland	609	141	390	2	1,142
(d) Other land in farms	188	22	35	10	255
LAND NOT IN FARMS	1,237	223	439	230	2,129
APPROXIMATE TOTAL LAND AREA	4,234	608	1,242	244	6,328

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes. 5,000 acres listed as cropland in 1939 included in grazing land figures.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, MARYLAND, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acres	947	47	1	45	—	—
Cover crops	"	787	603	124	272	7,880	—
Crop residue mgmt.	"	1,597	—	—	—	—	—
Crop rotation	"	1,639	—	—	—	—	—
Green manure crops	"	286	175	51	121	2,858	—
Perennial hay crops	"	341	1,714	648	2,584	3,409	—
Rotation hay or pasture	"	529	1,330	578	2,013	6,617	—
Strip cropping	"	825	58	29	—	—	—
GRAZING LAND							
Contour furrowing	"	92	58	5	68	—	—
Deferred grazing	"	654	—	—	—	—	—
Fertilizing establ. gras. land	Acres	909	421	52	667	—	—
Liming established pastures	Acres	823	540	39	252	—	—

(Over)

Maryland - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs)	Horse Equip-ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Mowing grazing land	Acre	499	296	28	536	—	—
Rotation grazing	"	702	—	—	—	—	—
Scattering droppings	"	74	26	6	38	—	—
Seeding rga. & past. plts."	"	455	2,071	239	3,656	6,835	—
Stockwater development	No.	9	1,114	223	2	—	—
WOODLAND							
Field & gully planting	Acre	130	1,503	—	40	146	206,286
Harvest cutting	"	772	135	—	—	—	—
Improvement cuttings	"	772	2,295	—	—	—	—
Pruning	"	109	380	—	—	—	—
Reinf. existing woodlds.	"	38	147	—	4	14	22,252
Prevention of graz. dam.	"	204	1,134	5	28	—	—
White pine blister rust control	"	16	5	—	—	—	—
TWO OR MORE LAND USES							
Clearing and grubbing	"	96	5,576	699	446	—	—
Diversions	Mile	3	990	72	9	—	—
Drainage	Acre	616	10,847	1,830	3,464	—	—
Dune & beach eros. contl."	"	2	94	2/	2	—	11,011
Fire protection	"	2,708	7,534	682	1,038	—	—
Hedges	Lin. Ft.	36,434	342	—	—	—	364
Mgmt. of odd areas	Acre	30	362	—	—	135	6,022
Mgt. of spoil banks	"	3	—	—	—	—	—
Marsh management	"	6	242	17	—	—	—
Mulching	"	33	1,198	—	36	—	—
Outlets & farm watercrs.	"	4	1,507	74	30	46	—
Roadside erosion contl.	"	—	1,280	11	—	92	18,173
Farm pond management	"	4	21	3	6	5	361
Reorganization of fields	"	—	—	—	—	—	—
Obstruction removal	"	282	5,429	1	—	—	—
Fences changed	Mile	2	1,139	—	14	—	—
Shelterbelts & windbrks.	Acre	4	2/	—	1	2	501
Streambank erosion control management	"	38	152	9	1	—	—
Terracing	"	402	183	46	6	—	—
Wildlife borders	"	5	56	—	2	32,116	4,538
TOTALS			51,004	5,472	15,381	60,155	

1/ Based on farm planning experience, land capability recommendations and land use acreages, after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, MASSACHUSETTS, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	693	259	986	^{4/}	1,938
(a) Cropland ^{2/}	398	118	42	—	558
(b) Grazing Land ^{3/}	94	42	345	—	481
(c) Woodland	105	67	545	^{4/}	717
(d) Other Land in Farms	96	32	54	^{4/}	182
LAND NOT IN FARMS	653	348	2,029	93	3,123
APPROXIMATE TOTAL LAND AREA	1,346	607	3,015	93	5,061

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

^{4/} Less than 1,000.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, MASSACHUSETTS, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)(Tons)	(1,000)
CROPLAND						
Contour Planting	Acre	309	15	—	15	—
Cover Crops	"	208	17	33	76	208
Crop Residue Management	"	315	—	—	—	—
Crop Rotation	"	466	—	—	—	—
Green Manure Crops	"	289	177	52	123	2,892
Perennial Hay Crops	"	67	335	127	505	667
Rotation Hay or Pasture	"	281	706	307	1,067	3,508
Strip Cropping	"	296	21	—	10	—
GRAZING LAND						
Contour Furrowing	Acre	28	18	2	21	—
Deferred Grazing	"	449	—	—	—	—
Fertilizing Grazing Land	"	512	237	45	250	—
Liming Pastures	"	479	314	22	167	—
Mowing Grazing Land	"	278	165	16	124	—
Scattering Droppings	"	51	18	45	27	—

(Over)

Massachusetts - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Trees Shrubs Seed Plants (Tons)(1,000)
Seeding Range & Past. Flts	Acres	198	902	104	1,592	2,977
Stockwater Development	No.	16	571	56	12	—
WOODLAND						
Field & Gully Planting	Acres	97	1,125	—	50	110 154,547
Harvest Cutting	"	220	97	—	—	—
Improvement Cuttings	"	513	931	—	—	—
Pruning	"	88	509	—	—	—
Reinforce. of Exist. Wood.	"	18	70	—	2	7 10,601
Prevention of Graz. Damage	"	222	1,260	6	51	—
White Pine Blister Rust Control	"	340	97	—	—	—
TWO OR MORE LAND USES						
Marsh Management	Acres	2/	7	5/	—	—
Clearing and Grubbing	"	68	2,120	196	108	—
Diversions	Mile	1	215	17	2	—
Drainage	Acres	25	447	79	145	—
Dune & Beach Eros. Cont.	"	2/	5	5/	5/	3,198
Fire Protection	"	771	2,103	191	230	—
Hedges	Lin. Ft.	5,239	51	—	—	3,239
Management of Odd Areas	Acres	17	204	—	—	80 35,917
Management of Spoilbanks	"	2/	—	—	—	—
Mulching	"	6	255	—	7	—
Outlets & Farm Watercourses	"	3	284	26	7	6
Roadside Erosion Control	"	—	543	5	—	—
Farm Pond Management	Acres	1	6	1	2	2 107
Reorganization of Fields	"	—	—	—	—	—
Obstruction Removal	"	64	1,224	22	—	—
Fences Changed	Mile	1	323	5/	4	—
Shelterbelts & Windbreaks	Acres	1	3/	—	5/	1 72
Streambank Erosion Cont.	"	—	—	—	—	—
Management	"	23	199	7	3	— 10,600
Terracing	"	23	104	26	4	—
Wildlife Borders	"	3	59	—	1	11 3,250
TOTALS			15,292	1,365	4,625	10,469

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, MICHIGAN, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	14,261	1,251	2,535	11	18,038
(a) Cropland 2/	9,515	670	899	—	11,084
(b) Grazing Land 3/	2,117	242	551	—	2,910
(c) Woodland	1,671	207	832	—	2,710
(d) Other Land in Farms	958	112	253	11	1,334
LAND NOT IN FARMS	6,837	1,237	10,159	223	18,456
APPROXIMATE TOTAL LAND AREA	21,098	2,468	12,694	234	36,494

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow. 1939 cropland and grazing land data were adjusted by shifting the acreage of rotation pasture from grazing land to cropland.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, MICHIGAN, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Plants
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	Seed Shrubs (1,000)
CROPLAND						
Contour Planting	Acre	659	—	—	—	—
Cover Crops	"	94	177	41	—	785
Crop Residue Management	"	4,302	—	—	—	—
Crop Rotation	"	5,570	—	—	—	—
Green Manure Crops	"	4	—	—	—	—
Rotation Hay or Pasture	"	4,080	6,768	—	13,358	—
Strip Cropping	"	1,559	—	—	—	—
Terracing	"	144	153	153	—	—
GRAZING LAND						
Fertilizing Grazing Land	Acre	2,801	1,224	—	2,450	—
Liming Pastures	"	2,323	4,230	—	8,460	—
Mowing Grazing Land	"	3,551	1,552	—	3,104	—

(Over)

Michigan - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Proper Stocking	Acre	—	—	—	—	—	—
Seeding Range & Past.Plts."		1,368	598	—	1,196	10,262	—
Stockwater Development	No.	12	1,031	564	—	—	—
WOODLAND							
Field & Gully Planting	Acre	470	5,684	990	—	48	549,121
Harvest Cutting	"	240	210	21	—	—	—
Improvement Cuttings	"	2,641	8,650	1,440	—	—	—
Reinforce. of Exist. Wood."		664	2,383	485	779	325	46,148
Prevention of Graz. Damage"		2,076	563	—	—	—	—
TWO OR MORE LAND USES							
Marsh Management	Acre	57	249	—	—	—	—
Roadside Erosion Control			2,172	865	55	121	—
Drainage	Acre	658	4,236	726	379	31	—
Dune & Beach Eros. Cont.	"	396	8,285	791	—	—	—
Fire Protection	"	848	74	20	—	—	—
Management of Odd Areas	"	426	4,822	—	—	1,064	211,886
Mulching	"	14	61	—	222	—	—
Outlets & Farm Watercourses"		14	506	323	—	230	—
Reorganization of Fields							
Obstruction Removal	Mile	30	—	—	—	—	—
Shelterbelts & Windbreaks	Acre	25	348	41	153	—	6,976
Soil Saving Dams	No.	21	4,959	210	—	—	—
Wildlife Borders	Acre	51	182	—	115	343	8,206
TOTALS			59,097	6,670	30,271	13,209	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms, and approximate total land area, MINNESOTA, 1939 1/

Land Use.	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	22,390	5,392	4,825	—	32,607
(a) Cropland 2/	17,064	3,196	1,170	—	21,430
(b) Grazing Land 3/	3,351	1,349	1,396	—	6,096
(c) Woodland	557	469	1,843	—	2,869
(d) Other Land in Farms	1,418	378	416	—	2,212
LAND NOT IN FARMS	828	2,522	14,747	502	18,599
APPROXIMATE TOTAL LAND AREA	23,218	7,914	19,572	502	51,206

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow. 1939 cropland and grazing land data were adjusted by shifting the acreage of rotation pasture from grazing land to cropland.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, MINNESOTA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	4,732	—	—	—	—	—
Cover crops	"	13	—	—	—	—	—
Crop residue management	"	4,393	—	—	—	—	—
Crop rotation	"	10,580	—	—	—	—	—
Green manure crops	"	63	—	—	—	—	—
Rotation hay or pasture	"	2,630	50	83	—	—	—
Strip cropping	"	2,257	—	—	—	—	—
Terracing	"	144	151	151	—	—	—
GRAZING LAND							
Fert. estab. grazing land	"	3,853	95	84	—	—	—
Liming established past.	"	1,216	—	—	—	—	—
Mowing grazing land	"	1,096	268	268	—	—	—
Proper stocking	"	7,153	—	—	—	—	—
Seeding rge. & past. plts."	"	3,972	52	174	—	23,005	—
Stockwater development	No.	1	91	48	—	—	—

(Over)

Minnesota - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
WOODLAND							
Field & gully planting	Acre	260	4,629	563	—	669	290,815
Harvest cutting	"	43	38	6	—	—	—
Improvement cuttings	"	125	444	135	—	—	—
Reinforcement exist. woodlds.	A.	38	340	54	44	27	101,531
Prev. of grazing damage	Acre	2,417	796	—	—	—	—
TWO OR MORE LAND USES							
Marsh management	"	6	30	—	—	—	—
Roadside erosion control	"	—	3,168	1,176	—	1,112	—
Drainage	"	816	22,428	—	3,075	—	—
Fire protection	"	1,954	6,689	76	—	—	—
Management of odd areas	"	10	70	—	—	24	4,780
Mulching	"	35	14	15	—	—	—
Noxious plant control	"	362	158	158	—	—	—
Outlets & farm watercrs.	"	571	3,661	1,970	—	6,912	—
Shelterbelts & windbrks.	"	129	2,471	335	1,129	—	33,876
Soil saving dams	No.	4	2,469	551	—	—	—
Streambank control	Acre	7	83	57	—	—	15,923
Wildlife borders	"	2/	4	—	—	—	460
TOTALS			48,199	5,904	4,248	31,749	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, MISSISSIPPI, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	12,049	1,803	5,304	—	19,156
(a) Cropland <u>2/</u>	6,760	462	778	—	8,000
(b) Grazing land <u>3/</u>	1,587	365	750	—	2,702
(c) Woodland	2,642	745	2,681	—	6,068
(d) Other Land in Farms	1,060	231	1,095	—	2,386
LAND NOT IN FARMS	4,792	1,554	4,846	—	11,192
APPROXIMATE TOTAL LAND AREA	16,841	3,357	10,150	—	30,348

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land acreage is the Census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, MISSISSIPPI, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees	
		To Be	Unskilled	Equip-	Equip-	Shrubs	
		Done	Labor	ment	ment	Seed	
		(1,000)	(Man Yrs)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	188	246	—	—	—	—
Cover crops	"	1,685	1,473	—	—	—	—
Crop residue mgmt.	"	278	243	—	—	—	—
Crop rotations	"	6,867	406	—	—	—	—
Green manure crops	"	58	38	—	26	—	—
Perennial hay crops	"	278	1,641	—	1,458	4,171	139,025
Strip cropping	"	1,399	2,874	—	—	—	—
Clearing woods	"	2/	40	—	—	—	—
Grubbing	"	811	10,275	—	—	—	—
Drainage (Farm)	"	1,965	25,543	148	3,919	—	—
Drainage (Community)	"	1,648	3,380	719	—	—	—
Outlets (Meadow strips)	"	317	4,433	—	4,156	5,547	—
Reorganization of fields	"	1,495	6,013	—	—	—	—
Terracing (Horse)	"	2,697	17,681	—	5,009	—	—
Terracing (Heavy tractor)	"	599	2,095	786	—	—	—
Terracing (Light tractor)	"	2,697	9,430	4,067	—	—	—

(over)

Mississippi - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
GRAZING LAND							
Deferred grazing	Acre	228	25	—	—	—	—
Fertilizing graz.land	"	3,085	—	—	—	—	—
Liming pasture	"	3,216	—	—	—	—	—
Mowing grazing land	"	3,216	—	—	—	—	—
Scattering droppings	"	322	—	—	—	—	—
Seeding of range and pasture plants	"	227	1,270	—	—	3,405	—
Stockwater development	No.	5	888	—	392	—	—
Mulching	Acre	31	335	—	334	—	—
WOODLAND							
Field and gully planting	"	66	735	—	—	—	79,756
Harvest cuttings	"	1,247	27,801	—	3,815	—	—
Improvement cuttings	"	4,873	87,323	—	21,298	—	—
Pruning	"	136	593	—	—	—	—
Reinforcement of existing woodland	"	62	191	—	—	—	18,709
Prevention of grazing damage	"	6,048	2,643	—	1,322	—	—
Fire protection	"	6,048	5,287	—	2,643	—	—
TWO OR MORE LAND USES							
Roadside erosion control	"	72	79	—	31	—	—
Dune and beach erosion control	"	11	—	—	—	—	—
Management of odd areas	"	72	631	—	—	—	—
Management of spoil banks							
Kudzu	"	12	97	—	32	—	6,134
Grass	"	4	26	—	18	73	—
Pond management	"	47	1,034	370	—	—	—
Streambank management	"	1	9	—	—	—	—
Wildlife borders	"	288	1,509	252	1,132	2,880	—
Hedges	"	36	158	—	126	—	—
TOTALS			214,445	6,342	45,711	16,076	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, MISSOURI, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	15,876	5,241	13,360	263	34,740
(a) Cropland 2/	10,153	2,628	2,627	40	15,448
(b) Grazing Land 3/	4,312	1,794	4,746	100	10,952
(c) Woodland	709	494	5,626	123	6,952
(d) Other Land in Farms	702	325	361	—	1,388
LAND NOT IN FARMS	1,269	2,655	5,669	—	9,593
APPROXIMATE TOTAL LAND AREA	17,145	7,896	19,029	263	44,333

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow. 1939 cropland and grazing land data were adjusted by shifting the acreage of rotation pasture from grazing land to cropland.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, MISSOURI, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Seed Plants
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons) (1,000)
CROPLAND						
Contour Planting	Acre	4,424	—	—	—	—
Crop Residue Management	"	4,294	—	—	—	—
Crop Rotation	"	8,794	—	—	—	—
Green Manure Crops	"	1,092	—	—	—	—
Rotation Hay or Pasture	"	1,868	24	171	—	—
Strip Cropping	"	521	—	—	—	—
Terracing	"	1,525	1,600	1,600	—	—
GRAZING LAND						
Fertilizing Grazing Land	Acre	8,438	111	369	—	—
Liming Pastures	"	8,500	—	—	—	—
Mowing Grazing Land	"	5,506	1,444	639	2,407	—
Proper Stocking	"	11,845	—	—	—	—

(Over)

Missouri - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Seeding Range & Past.	Plts/Acre	9,771	1,281	1,281	—	73,285	—
Stockwater Development	No.	106	7,873	4,051	37	—	—
WOODLAND							
Field & Gully Planting	Acre	1,651	28,683	3,205	—	4,128	1,816,484
Harvest Cutting	"	688	601	74	—	—	—
Improvement Cuttings	"	7,433	31,747	3,968	—	—	—
Reinforce. of Exist. Wood.	"	1,223	4,256	731	1,006	810	81,012
Prevention of Graz. Damage	"	4,483	1,544	—	—	—	—
TWO OR MORE LAND USES							
Drainage	Acre	54	626	—	54	6	—
Fire Protection	"	7,158	1,622	390	—	—	—
Hedges	"	107	3,248	—	—	—	253,148
Management of Odd Areas	"	86	979	—	—	250	597,477
Management of Spoilbanks	"	25	302	—	—	33	14,410
Mulching	"	1	—	—	—	—	—
Noxious Plant Control	"	16	3	2	—	—	—
Outlets & Farm Watercourses	"	461	43,849	12,652	1	3,840	—
Pond Management	"	75	1,310	—	—	—	35,687
Roadside Erosion Control	"	—	61,597	3,890	—	1,336	—
Shelterbelts & Windbreaks	"	9	185	20	81	—	7,136
Soil Saving Dams	No.	48	35,769	9,532	—	—	—
Streambank Control	Acre	9	144	76	6	—	2,179
Wildlife Borders	"	82	289	—	186	528	8,216
TOTALS			229,087	42,651	3,778	84,216	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, MONTANA, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation Classes	Suitable for Occasional Cultivation Class	Suitable for Grazing or Woodland Use Classes	Suitable Only for Wildlife Class	Total
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	
LAND IN FARMS	9,669	4,159	30,830	1,794	46,452
(a) Cropland ^{2/}	7,824	1,279	1,052	—	10,155
(b) Grazing Land ^{3/}	1,487	2,415	28,493	1,580	33,975
(c) Woodland	156	222	696	85	1,157
(d) Other Land in Farms	222	243	609	131	1,205
LAND NOT IN FARMS	767	1,690	41,287	3,274	47,018
APPROXIMATE TOTAL LAND AREA ^{4/}	10,436	5,849	72,117	5,068	93,470

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes. 15 acres listed as cropland and 305 acres listed as woodland in 1939, included in grazing land figures.

^{4/} Does not include 172,160 acres in Yellowstone National Park.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, MONTANA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Equip-	Seed	Trees
		To Be Done (1,000)	Unskilled Labor (Man Yrs)	ment (Yrs.)	(Tons)	Shrubs Plants (1,000)
CROPLAND						
Contour planting	Acre	2,186	—	—	—	—
Crop residue management	"	7,196	—	—	—	—
Diversions	Mile	58	1,066	1,066	—	—
Drainage	Acre	174	91	91	—	—
Outlets & farm water courses	"	99	432	130	988	—
Rotation hay or pasture	"	2,241	—	—	—	—

(over)

Montana - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man-Yrs)	Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND - Continued						
Shelterbelts & windbreaks	Acre	102	1,068	89	—	101,775
Strip cropping	"	4,280	—	—	—	—
Irrigation - diversion dams	No.	2/	93	—	—	—
Irrigation - farm dist.	Acre	445	681	10	—	—
Irrigation - land prep.	"	190	331	166	—	—
Irrigation - main laterals	Mile	1	202	36	—	—
Irrigation - method of water application	Acre	283	—	—	—	—
Irrigation - pump from streams	No.	2/	1	—	—	—
Irrigation - storage dams	"	2/	2,800	288	—	—
GRAZING LAND						
Contour furrowing	Acre	787	103	103	—	—
Fire protection	"	21,160	—	—	—	—
Proper stocking	"	18,230	—	—	—	—
Rotation and deferred grazing	"	15,739	—	—	—	—
Seeding of range and pasture plants	"	1,081	236	236	5,405	—
Stockwater development	No.	11	637	203	—	—
Stock dams, springs	"	9	547	182	—	—
Stock wells	"	2	90	21	—	—
Water spreading	Acre	669	1,755	1,170	—	—
WOODLAND						
Fire protection	"	711	8	—	—	—
Harvest and improvement cuttings	"	922	2,015	—	—	—
Prevention of grazing damage	"	152	—	—	—	—
TWO OR MORE LAND USES						
Pond management	"	10	40	—	—	1,015
Marsh management	"	11	22	—	29	1,141
Wildlife borders	"	27	53	12	67	8,043
Management of odd areas	"	187	368	—	187	18,727
Streambank management	"	15	37	—	—	1,530
Roadside erosion control	Mile	6	211	63	483	—
Fencing	"	1	54	—	—	—
TOTALS			12,304	3,663	7,159	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, NEBRASKA, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation Classes I, II, & III	Suitable for Occasional Cultivation Class IV	Suitable for Grazing or Woodland Use Classes V, VI, & VII	Suitable Only for Wildlife Class VIII	Total
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	
LAND IN FARMS	22,009	1,922	23,273	139	47,343
(a) Cropland ^{2/}	17,275	1,439	2,965	—	21,679
(b) Grazing Land ^{3/}	3,855	322	19,469	90	23,736
(c) Woodland	178	74	288	10	550
(d) Other land in farms	701	87	551	39	1,378
LAND NOT IN FARMS	773	70	855	16	1,714
APPROXIMATE TOTAL LAND AREA	22,782	1,992	24,128	155	49,057

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, NEBRASKA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Equip- ment	Seed	Trees
		To Be Done (1,000)	Unskilled Labor (Man Yrs.)			Shrubs Plants (1,000)
CROPLAND						
Contour planting	Acre	5,156	—	—	—	—
Crop residue management	"	14,652	—	—	—	—
Diversions	Mile	38	697	697	—	—
Drainage	Acre	34	18	18	—	—
Outlets & farm water courses	"	384	2,188	673	5,359	—
Rotation hay or pasture	"	5,632	—	—	—	—
Shelterbelts and windbreaks	"	413	4,328	361	—	639,380
Strip cropping	"	2,220	—	—	—	—
Terracing	"	2,827	3,336	3,336	—	—

(over)

Nebraska - Table 2. Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Irrigation - Div. dams	No.	2/	27	—	—	—
Irrigation - farm dist.	Acre	166	254	4	—	—
Irrigation - land preparation	"	100	175	87	—	—
Irrigation - main laterals	Mile	2/	118	21	—	—
Irrigation - method of water application	Acre	91	—	—	—	—
Irrigation - pump from streams	No.	1	23	—	—	—
Irrigation - storage dams	"	2/	79	16	—	—
Irrigation - wells	"	1	74	13	—	—
GRAZING LAND						
Contour furrowing	Acre	932	122	122	—	—
Fire protection	"	9,549	—	—	—	—
Mowing grazing land	"	2,385	—	—	—	—
Proper stocking	"	14,297	—	—	—	—
Rot. & def. grazing	"	9,958	—	—	—	—
Seeding of range and pasture plants	"	2,967	966	966	18,464	—
Stockwater development	No.	11	425	132	—	—
Stock dams, springs	"	7	279	93	—	—
Stock wells	"	4	146	59	—	—
Water spreading	Acre	75	198	132	—	—
WOODLAND						
Field & gully planting	"	17	236	31	—	24,430
Fire protection	"	525	3	—	—	—
Harvest & impr. cuttings	"	307	671	—	—	—
Prevention of graz. damage	"	393	—	—	—	—
Reinf. exist. woodlands	"	104	401	—	—	20,872
TWO OR MORE LAND USES						
Pond management	"	5	19	—	—	491
Marsh management	"	1	3	—	4	144
Wildlife borders	"	43	85	19	109	15,032
Management of odd areas	"	202	398	—	190	20,231
Soil saving dams	No.	2	657	30	—	—
Streambank management	Acre	6	14	—	—	567
Roadside erosion control	Mile	4	134	40	307	—
Fencing	"	1	59	—	—	—
TOTALS			15,708	6,698	24,433	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, NEVADA, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	623	75	2,744	343	3,785
(a) Cropland <u>2/</u>	569	39	79	—	488
(b) Grazing Land <u>3/</u>	254	36	2,641	143	3,074
(c) Woodland	—	—	24	2	25
(d) Other Land in Farms <u>4/</u>	—	—	—	198	198
LAND NOT IN FARMS	—	—	52,738	13,750	66,488
APPROXIMATE TOTAL LAND AREA	623	75	55,482	14,093	70,273

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

4/ Other land in farms in 1935.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, NEVADA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Plants Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Crop Residue Management	Acre	363	57	128	—	—	—
Crop Rotation	"	328	135	68	68	—	—
Green Manure Crops	"	312	215	—	—	1,560	—
Irrigation							
Development	"	30	—	—	—	—	—
Improvement	"	600	—	—	—	—	—
Dams	Acre Ft.	<u>2/</u>	252	135	67	—	—
Farm Dist. Systems	Acre	594	1,063	238	826	—	—
Group Dist. Systems	"	238	665	665	—	—	—
Land Preparation	"	522	672	1,278	1,278	—	—
Method of Water Appl.	"	597	1,319	848	251	—	—
Springs	No.	2	49	14	42	—	—
Wells	"	10	21	69	—	—	—
Perennial Hay Crops	Acre	9	8	—	—	45	—
Rotation Hay or Pasture	"	146	218	—	—	730	—

(Over)

Nevada - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Plants Shrubs (1,000)
GRAZING LAND							
Deferred Grazing	Acre	3,006	46	—	—	—	—
Excl. for Eros. Control	"	718	29	—	—	—	—
Fertilizing Graz. Land	"	345	9	3	3	—	—
Maintain. Feed Reserves	Ton	8	—	—	—	—	—
Maintain. Forage Reserves	Acre	158	—	—	—	—	—
Mowing Grazing Land	"	319	4	2	2	—	—
Proper Stocking	"	3,153	115	—	—	—	—
Rotation Grazing	"	3,010	228	—	—	—	—
Salting	"	2,131	94	—	—	—	—
Scattering Droppings	"	319	2	—	2	—	—
Seeding Range & Past. Flts.	"	1,131	273	—	—	5,655	—
Stockwater Development	No.	8	105	66	12	—	—
WOODLAND							
Field & Gully Planting	Acre	1	—	—	—	—	—
Harvest Cutting	"	23	—	—	—	—	—
Prevention of Graz. Damage	"	25	35	—	—	—	—
Reinforce. of Exist. Wood.	"	2/	1	—	—	—	2,000
Improvement Cuttings	"	1	—	—	—	—	—
TWO OR MORE LAND USES							
Clearing and Grubbing	Acre	37	12	9	3	—	—
Drainage	"	180	1,426	623	13	—	—
Fire Protection	"	2,831	12	3/	—	—	—
Marsh Management	"	2	9	11	4	—	—
Management of Odd Areas	"	34	10	1	3/	—	—
Noxious Plant Control	"	20	219	—	—	—	—
Roadside Erosion Control	Mile	2/	350	118	—	5	—
Rodent Control	Acre	103	40	—	—	—	—
Reorganization of Fields	"	2,267	7	3	1	—	—
Streambank Management	"	2/	18	5	—	—	—
Dune & Beach Eros. Cont.	"	2/	—	—	—	—	—
Management of Spoilbanks	"	2	—	—	—	—	—
Outlets & Farm Watercourses	"	2/	—	—	—	—	—
Pond Management	"	2/	—	—	—	—	—
Shelterbelts & Windbreaks	"	1	—	—	—	—	—
Wildlife Borders	"	2/	—	—	—	—	—
Pond Construction	No.	1	—	—	—	—	—
TOTALS			7,718	4,284	2,572	7,995	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, NEW HAMPSHIRE, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	612	201	997	1	1,811
(a) Cropland 2/	325	61	32	—	418
(b) Grazing land 3/	135	42	274	—	451
(c) Woodland	110	88	662	1	861
(d) Other land in farms	42	10	29	4/	81
LAND NOT IN FARMS	744	365	2,852	5	3,966
APPROXIMATE TOTAL LAND AREA	1,356	566	3,849	6	5,777

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.
- 4/ Less than 1,000.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, NEW HAMPSHIRE, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled & Unskilled	Motor	Horse	Trees	
		To Be Done	Labor	Equip-ment	Equip-ment	Seed	Shrubs Plants
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	242	11	3/	11	—	—
Cover crops	"	142	109	22	52	1,423	—
Crop residue management	"	232	—	—	—	—	—
Crop rotation	"	356	—	—	—	—	—
Green manure crops	"	212	130	38	90	2,125	—
Perennial hay crops	"	40	203	77	306	404	—
Rotation hay or pasture	"	217	545	237	824	2,710	—
Strip cropping	"	259	18	—	9	—	—
GRAZING LAND							
Contour furrowing	"	23	14	1	17	—	—
Deferred grazing	"	394	—	—	—	—	—
Fert. estab. graz. land	"	475	220	42	232	—	—
Liming estab. pastures	"	447	293	20	156	—	—

(Over)

New Hampshire - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs)	Horse Equipment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Mowing grazing land	Acre	256	152	14	275	—	—
Rotation grazing	"	407	—	—	—	—	—
Scattering droppings	"	140	49	12	74	—	—
Seeding rge. & past. plts.	"	214	972	112	171	3,206	—
Stockwater development	No.	15	305	28	15	—	—
WOODLAND							
Field & gully planting	Acre	110	1,272	—	34	124	174,578
Harvest cutting	"	385	6,727	—	—	—	—
Improvement cuttings	"	735	2,183	—	—	—	—
Pruning	"	109	381	—	—	—	—
Rein. of exist. woodlands	"	20	76	—	2	7	11,578
Prev. of grazing damage	"	317	1,757	8	44	—	—
White pine blister rust control	"	415	118	—	—	—	—
TWO OR MORE LAND USES							
Marsh management	"	2/	1	3/	—	—	—
Clearing and grubbing	"	71	2,799	383	234	—	—
Diversions	Mile	1	162	12	1	—	—
Drainage	Acre	20	355	64	116	—	—
Dune & beach eros. contrl.	"	2/	7	3/	3/	—	871
Fire protection	"	738	1,973	179	272	—	—
Hedges	Lin. Ft.	2,099	20	—	—	—	2,099
Mgt. of odd areas	Acre	16	101	—	—	72	31,764
Mgt. of spoil banks	"	2/	—	—	—	—	—
Mulching	"	7	262	—	8	—	—
Outlets & farm watercrs.	"	2	353	19	8	18	—
Roadside erosion contrl.	"	—	515	5	—	43	8,608
Farm pond management	Acre	1	5	1	2	1	90
Reorganization of fields							
Obstruction removal	"	51	987	18	—	—	—
Fences changed	Mile	1	713	3/	9	—	—
Shelterbelts & windbrks.	Acre	2/	3/	—	3/	3/	45
Streambank erosion control management	"	22	187	6	3	—	10,200
Terracing	"	19	8	2	3/	—	—
Wildlife borders	"	2	29	1	—	9	2,415
TOTALS			24,012	1,301	2,965	10,142	

1/ Based upon farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, NEW JERSEY, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	1,226	147	496	5	1,874
(a) Cropland ^{2/}	826	67	65	—	958
(b) Grazing Land ^{3/}	180	39	106	^{4/}	325
(c) Woodland	114	25	285	^{4/}	424
(d) Other Land in Farms	106	16	40	5	167
LAND NOT IN FARMS	973	227	1,671	68	2,939
APPROXIMATE TOTAL LAND AREA	2,199	374	2,167	73	4,813

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

^{4/} Less than 1,000

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, NEW JERSEY, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled & Unskilled	Motor	Horse	Seed	Trees
		To Be Done	Labor	Equip-ment	Equip-ment		Plants Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour Planting	Acre	695	39	3	35	—	—
Cover Crops	"	265	203	42	97	2,652	—
Crop Residue Management	"	769	—	—	—	—	—
Crop Rotation	"	738	—	—	—	—	—
Green Manure Crops	"	685	419	123	290	6,845	—
Perennial Hay Crops	"	40	201	76	304	402	—
Rotation Hay or Pasture	"	348	875	381	1,325	4,554	—
Strip Cropping	"	700	49	—	24	—	—
GRAZING LAND							
Contour Furrowing	Acre	15	9	1	10	—	—
Deferred Grazing	"	250	—	—	—	—	—
Fertilizing Grazing Land	"	344	160	29	169	—	—

(Over)

New Jersey - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Seed (Tons)	Trees Plants Shrubs (1,000)
Liming Pastures	Acre	352	.218	14	118	—	—
Mowing Grazing Land	"	166	99	10	178	—	—
Rotation Grazing	"	288	—	—	—	—	—
Scattering Droppings	"	49	17	4	26	—	—
Seeding Range & Past. Plts ^{1/}	"	198	900	104	1,589	2,970	—
Stockwater Development	No.	9	467	62	22	—	—
WOODLAND							
Field & Gully Planting	Acre	107	1,236	—	33	120	169,639
Harvest Cutting	"	122	22	—	—	—	—
Improvement Cuttings	"	354	1,052	—	—	—	—
Pruning	"	40	142	—	—	—	—
Reinforce. of Exist. Wood.	"	35	156	—	3	15	20,558
Prevention of Graz. Damage ^{2/}	"	79	441	2	11	—	—
White Pine Blister Rust Control	"	41	12	—	—	—	—
TWO OR MORE LAND USES							
Marsh Management	Acre	2	.80	7	—	—	—
Clearing & Grubbing	"	28	2,540	295	196	—	—
Diversions	Mile	1	454	32	4	—	—
Drainage	Acre	153	2,634	1,547	2,358	—	—
Dune & Beach Eros. Cont.	"	1	34	2/	2/	—	3,985
Fire Protection	"	677	1,920	174	264	—	—
Hedges	Lin.Ft.	15,899	149	—	—	—	15,898
Management of Odd Areas	Acre	14	163	—	—	61	27,192
Management of Spoilbanks	"	1	—	—	—	—	—
Mulching	"	4	155	—	5	—	—
Outlets & Farm Watercourses	"	4	737	41	17	41	—
Roadside Eros. Cont.	"	453	5	—	—	33	6,562
Farm Pond Management	Acre	1	8	1	2	2	—
Reorganization of Fields							
Obstruction Removal	Acre	51	977	18	—	—	—
Fences Changed	Mile	1	266	2/	3	—	—
Shelterbelts & Windbreaks	Acre	4	2/	—	1	2	552
Streambank Eros. Cont.	"	22	191	64	3	—	9,800
Terracing	"	155	255	66	2	—	—
Wildlife Borders	"	2	21	—	1	6	1,721
TOTALS			17,724	2,901	7,068	17,501	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, NEW MEXICO, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	1,984	3,283	31,596	1,999	38,862
(a) Cropland <u>2/</u>	1,159	743	296	1	2,199
(b) Grazing Land <u>3/</u>	744	2,507	31,081	1,760	36,092
(c) Woodland <u>4/</u>	1	—	69	—	70
(d) Other land in farms <u>5/</u>	80	33	150	238	501
LAND NOT IN FARMS	—	2,283	33,435	3,189	38,907
APPROXIMATE TOTAL LAND AREA	1,984	5,566	65,031	5,188	77,769

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

4/ Woodland not pastured in 1935.

5/ Other land in farms in 1935.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, NEW MEXICO, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Plants Shrubs
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	(Tons) (1,000)
CROPLAND						
Contour planting	Acres	1,300	28	—	—	—
Cover crops	"	10	—	—	—	—
Crop residue management	"	1,110	—	—	—	—
Crop rotations	"	1,500	—	—	—	—
Drainage	"	100	—	—	—	—
Emergency tillage	"	300	—	—	—	—
Green manure crops	"	100	22	9	—	1,000

(Over)

New Mexico - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs)	Horse Equip-ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
Outlets & farm watercrs.	Acres	1	2	--	--	6	--
Rodent control	"	500	3	--	--	--	--
Rotation hay or pasture	"	50	--	--	--	--	--
Strip cropping	"	300	--	--	--	--	--
Terracing	"	800	2,329	559	--	--	--
Irrigation dev. & imp.	"	585	11,545	--	--	--	--
Canal lining & pipelines	L.F.	500	--	--	--	--	--
Distribution systems	"	8,000	--	--	--	--	--
Land leveling	Acres	440	--	--	--	--	--
Main laterals & canals	L.F.	1,800	--	--	--	--	--
Overnight storage	No.	600	--	--	--	--	--
Soil saving dikes	L.F.	900	--	--	--	--	--
Structures	No.	1,600	--	--	--	--	--
Toxic salt reduction	Acres	75	--	--	--	--	--
GRAZING LAND							
Contour furrowing	Acres	500	328	44	--	--	--
Deferred & rotation graz.	"	29,000	--	--	--	--	--
Excl. for eros. contrl.	"	1,800	--	--	--	--	--
Fencing	Mile	6	1,015	--	--	--	--
Maintaining feed res.	Tons	94	21	--	16	--	--
Maintaining forage res.	Acres	31,208	--	--	--	--	--
Mowing grazing land	"	6	--	--	--	--	--
Proper stocking	"	29,000	--	--	--	--	--
Rotation grazing	"	23,406	--	--	--	--	--
Scattering droppings	"	38	13	--	13	--	--
Seeding rge. & past. plts.	"	480	420	27	--	1,200	--
Stockwater development	No.	5	1,128	472	--	--	--
Water spreading	Acres	400	437	87	--	--	--
WOODLAND							
Field & gully planting	"	1	--	--	--	--	--
Fire protection	"	69	2/	--	--	--	--
Harvest cutting	"	49	--	--	--	--	--
Shelterbelts & windbrks.	"	18	228	--	--	--	21,600
TWO OR MORE LAND USES							
Diversions	Mile	3	1,067	534	--	--	--
Dune & beach eros. contrl.	Acres	2	3	--	--	13	--
Fire guards	Mile	2	--	--	--	--	--
Fish ponds	Acres	1	--	--	--	--	--
Marsh management	"	5	--	--	--	--	--
Mgt. of odd areas	"	10	4,152	--	--	--	--
Noxious plant control	"	380	--	--	--	--	--
Streambank management	"	2	28	--	--	--	3
Streambank protection	Mile	1	1,961	231	--	--	--
TOTALS			24,730	1,963	29	2,219	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, NEW YORK, 1939, 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	9,994	1,868	5,298	10	17,170
(a) Cropland <u>2/</u>	6,059	849	548	—	7,456
(b) Grazing land <u>3/</u>	2,566	618	2,689	—	5,873
(c) Woodland	881	285	1,848	9	3,023
(d) Other Land in Farms	488	116	213	1	818
LAND NOT IN FARMS	4,201	1,051	8,098	154	13,504
APPROX. TOTAL LAND AREA	14,195	2,919	13,396	164	30,674

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, NEW YORK, (SEE FOOTNOTE 1/)

Practices according To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	4,351	276	21	240	—	—
Cover crops	"	1,224	936	193	449	12,243	—
Crop residue mgmt.	"	4,934	—	—	—	—	—
Crop rotations	"	6,077	—	—	—	—	—
Green manure crops	"	1,662	1,017	298	705	166,221	—
Perennial hay crops	"	1,063	5,341	2,021	8,054	10,627	—
Rotation hay or Past.	"	2,996	7,528	3,273	11,391	37,445	—
Strip cropping	"	4,842	339	—	169	—	—
GRAZING LAND							
Contour furrowing	"	461	290	26	338	—	—
Deferred grazing	"	4,775	—	—	—	—	—
Fertilizing est. grazing land	"	6,253	2,897	546	3,061	—	—
Liming est. pastures	"	5,133	3,365	224	1,795	—	—
Mowing grazing land	"	3,236	1,924	184	3,479	—	—
Rotation grazing	"	4,596	—	—	—	—	—
Scattering droppings	"	653	228	57	343	—	—

New York - Table 2. Continued.

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Trees Shrubs Seed Plants (Tons)(1,000)	
Seeding range and pasture plants	Acre	3,119	14,179	1,636	25,031	46,792 —	
Stockwater development	No.	166	6,523	816	314	— —	
WOODLAND							
Field & gully planting	Acre	782	9,031	—	239	875 1,239,213	
Harvest cutting	"	853	149	—	—	— —	
Improvement cuttings	"	1,544	4,589	—	—	— —	
Pruning	"	190	665	—	—	— —	
Rein. of exist. woodlands	"	84	323	—	9	31 48,848	
Prev. of grazing damage	"	845	4,693	22	118	— —	
White pine rust control	"	650	185	—	—	— —	
TWO OR MORE LAND USES							
Marsh management	Acre	2	94	7	—	— —	
Clearing & grubbing	"	520	12,862	2,028	1,157	— —	
Diversions	Mile	6	1,675	118	15	— —	
Drainage	Acre	966	171	2,942	5,497	— —	
Dune & beach ero.control	"	2/	7	3/	3/	— 833	
Fire protection	"	7,520	1,609	1,457	2,217	— —	
Hedges	Lin.Ft	127,389	1,197	—	—	— 127,389	
Mngmt. of odd areas	Acres	176	2,111	—	—	740 351,262	
Mngmt. of spoil banks	"	6	—	—	—	— —	
Mulching	Acre	64	2,325	—	70	— —	
Outlets & farm watercrs.	"	24	3,187	149	97	216 —	
Farm Pond management	"	16	92	14	27	23 1,560	
Reorg. of fields							
Obstruction removal	Acre	742	14,271	255	—	— —	
Fences changed	Mi.	8	3,709	3	—	— —	
Shelterbelts and windbreaks	Acre	4	5	—	8	3,357 4,643	
Streambank eros. cont.	"	204	1,938	112	33	— 134,200	
Terracing	"	245	1,111	276	40	— —	
Roadside eros. cont.			8,790	70	—	39 78,601	
Wildlife borders	Acre	28	337	—	12	98 28,055	
TOTAL			119,969	16,748	64,908	278,707	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

3/ Less than 1

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, NORTH CAROLINA, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	10,975	2,207	5,663	1	18,846
(a) Cropland ^{2/}	5,995	520	678	—	7,193
(b) Grazing Land ^{3/}	512	322	396	—	1,230
(c) Woodland	3,786	1,200	4,106	1	9,093
(d) Other Land in Farms	682	165	483	—	1,330
LAND NOT IN FARMS	5,313	1,480	5,813	—	12,606
APPROXIMATE TOTAL LAND AREA	16,288	3,687	11,476	1	31,452

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land acreage is the census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, NORTH CAROLINA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour Planting	Acre	206	270	—	—	—	—
Cover Crops	"	2,116	1,850	—	—	—	—
Crop Residue Management	"	380	332	—	—	—	—
Crop Rotation	"	6,087	266	—	—	—	—
Green Manure Crops	"	979	642	—	428	14,691	—
Perennial Hay Crops	"	340	2,007	—	1,784	5,104	170,116
Strip Cropping	"	2,256	4,635	—	—	—	—
Clearing Woods	"	186	24,382	—	—	—	—
Grubbing	"	183	2,321	—	—	—	—
Drainage (Farm)	"	321	4,746	21	694	—	—
Drainage (Community)	"	18	36	8	—	—	—
Outlets (Meadow Strips)	"	250	3,495	—	3,277	4,373	—
Reorganization of Fields	"	1,083	4,353	—	—	—	—
Terracing (Horse)	"	2,550	16,719	—	5,573	—	—
Terracing (Heavy Tractor)	"	567	1,982	743	—	—	—
Terracing (Light Tractor)	"	2,550	8,916	3,344	—	—	—

(Over

North Carolina - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Seed (Tons)	Trees Plants Shrubs (1,000)
GRAZING LAND							
Contour Furrowing	Acre	5	19	—	16	—	—
Deferred Grazing	"	132	14	—	—	—	—
Fertilizing Grazing Land	"	1,219	—	—	—	—	—
Liming Pastures	"	1,156	—	—	—	—	—
Mowing Grazing Land	"	1,430	—	—	—	—	—
Scattering Droppings	"	143	—	—	—	—	—
Seeding of Range & Past.Plts.	"	132	740	—	636	1,983	—
Stockwater Development	No.	2	420	—	186	—	—
Mulching	Acre	14	152	—	151	—	—
WOODLAND							
Field and Gully Planting	Acre	70	774	—	—	—	84,252
Harvest Cutting	"	1,847	41,413	—	5,650	—	—
Improvement Cuttings	"	7,351	131,390	—	32,127	—	—
Pruning	"	14	62	—	—	—	—
Reinforce. of Exist. Wood.	"	92	283	—	—	—	27,702
Prevention of Graz. Damage	"	9,350	4,086	—	2,043	—	—
Fire Protection	"	8,924	7,800	—	3,900	—	—
TWO OR MORE LAND USES							
Diversions	100 ft.	2/	3/	—	—	3/	5
Roadside Erosion Control	Acre	106	116	—	47	—	—
Management of Odd Areas	"	65	569	—	—	—	—
Management of Spoilbanks	"	—	—	—	—	—	—
Grass	"	2/	1	—	1	2	—
Kudzu	"	2/	3/	—	3/	—	21
Pond Management	"	42	912	328	—	—	—
Streambank Management	"	1	8	—	—	—	—
Wildlife Borders	"	261	1,367	228	1,025	2,607	—
Hedges	"	33	142	—	114	—	—
TOTALS			267,220	4,672	57,652	28,760	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, NORTH DAKOTA, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation Classes I, II, & III	Suitable for Occasional Cultivation Class IV	Suitable for Grazing or Woodland Use Classes V, VI, & VII	Suitable Only for Wildlife Class VIII	Total
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	
LAND IN FARMS	24,130	2,201	11,162	442	37,935
(a) Cropland ^{2/}	20,507	1,089	1,882	---	23,478
(b) Grazing land ^{3/}	2,246	997	8,433	389	12,065
(c) Woodland	82	13	290	---	385
(d) Other land in farms	1,295	102	557	53	2,007
LAND NOT IN FARMS	1,843	677	4,001	378	6,899
APPROX. TOTAL LAND AREA	25,973	2,878	15,163	820	44,834

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application NORTH DAKOTA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Equip- ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND						
Contour planting	Acre	876	---	---	---	---
Crop residue mgmt.	"	15,999	---	---	---	---
Diversions	Mile	52	958	958	---	---
Drainage	Acre	255	134	134	---	---
Outlets & farm waterways	"	47	207	62	474	---
Rotation Hay or pasture	"	4,324	---	---	---	---
Shelter. & windbreaks	"	471	4,940	412	---	470,983
Strip cropping	"	12,403	---	---	---	---
Terracing	"	24	28	28	---	---
Irrig., farm dist.	"	15	23	3/	---	---
Irrig., land prep.	"	12	21	11	---	---
Irrig., main lat.	Mile	<u>2/</u>	8	2	---	---
Irrig., meth. water application	Acre	19	---	---	---	---

(over)

NORTH DAKOTA-Table 2. Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Irrig., pump from streams	No.	2/	11	---	---	---
Irrig., storage dams	No.	2/	197	14	---	---
GRAZING LAND						
Fire protection	Acre	3,356	---	---	---	---
Mowing grazing land	"	1,595	---	---	---	---
Proper stocking	"	10,808	---	---	---	---
Rot. & Def. grazing	"	6,764	---	---	---	---
Seeding of range and pasture plants	"	1,882	554	554	11,040	---
Stockwater development	No.	14	639	205	---	---
Stock. dams, springs	"	12	554	185	---	---
Stock. wells	"	2	85	20	---	---
Water spreading	Acre	33	87	58	---	---
WOODLAND						
Fire protection	Acre	386	1	---	---	---
Harvest & Imp. cutting	"	184	402	---	---	---
Prevention of graz.dam.	"	255	---	---	---	---
Reinf.exist.woodlands	"	68	263	---	---	13,680
TWO OR MORE LAND USES						
Pond management	Acre	16	62	---	---	1,567
Marsh management	"	20	39	---	51	2,040
Wildlife borders	"	45	89	20	113	13,528
Mgmt. of odd areas	"	171	336	---	171	17,091
Soil saving dams	No.	2/	5	1	---	---
Streambank mgmt.	Acre	7	17	---	---	711
Roadside erosion cont.	Mile	4	144	43	330	---
Fencing	"	1	34	---	---	---
TOTALS			9,199	2,502	12,179	---

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

3/ Less than 1

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, OHIO, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	15,858	1,918	4,151	—	21,907
(a) Cropland 2/	10,745	720	893	—	12,358
(b) Grazing Land 3/	3,165	880	1,705	—	5,750
(c) Woodland	1,024	194	1,195	—	2,413
(d) Other Land in Farms	924	124	338	—	1,386
LAND NOT IN FARMS	150	1,436	2,825	—	4,411
APPROXIMATE TOTAL LAND AREA	16,008	3,354	6,956	—	26,318

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow. 1939 cropland and grazing land data were adjusted by shifting the acreage of rotation pasture from grazing land to cropland.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, OHIO, 1945 (See FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	Seed Plants
					(Tons)	(1,000)
CROPLAND						
Contour Planting	Acre	3,439	—	—	—	—
Crop Rotation	"	6,691	—	—	—	—
Green Manure Crops	"	301	—	—	—	—
Rotation Hay or Past.	"	4,097	—	—	—	—
Strip Cropping	"	2,235	—	—	—	—
Diversions	"	121	316	—	105	—
Terracing	"	269	281	281	—	—
GRAZING LAND						
Fertilizing Graz. Land	Acre	4,527	575	—	402	—
Liming Pastures	"	4,405	—	—	—	—
Mowing Grazing Land	"	5,380	2,487	20	4,907	—
Seeding Range & Past.Plts.	"	3,114	5,513	251	10,256	17,992
Stockwater Development	No.	28	1,659	210	28	—

(Over)

Ohio - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man. Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
WOODLAND							
Field & Gully Planting	Acre	363	5,540	500	—	750	484
Harvest Cutting	"	304	253	36	—	—	—
Improvement Cuttings	"	2,308	7,127	1,009	—	—	—
Reinforce. of Exist. Wood	"	596	2,297	482	684	358	49
Prevention of Graz. Damage	"	1,651	617	—	—	—	—
TWO OR MORE LAND USES							
Marsh Management	Acre	19	32	—	—	—	—
Roadside Eros. Cont.	"	—	3,488	1,208	72	873	—
Drainage	Acre	1,443	6,302	537	399	124	—
Dune & Beach Eros. Cont.	"	2/	—	—	—	—	—
Fire Protection	"	659	172	43	—	—	—
Management of Odd Areas	"	375	4,653	—	—	1,087	212,942
Management of Spoilbanks	"	9	205	—	—	24	255,660
Outlets & Farm Watercourses	"	27	1,158	450	30	—	—
Reorganization of Fields							
Obstruction Removal	Mile	75	—	—	—	—	—
Soil Saving Dams	No.	34	6,594	998	—	—	—
Streambank Control	Acre	9	1,070	26	—	15	2,449
Streambank Structure	No.	15	1,381	66	—	—	—
Wildlife Borders	Acre	62	218	—	134	415	6,156
TOTALS			51,938	6,117	17,017	21,638	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, OKLAHOMA, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous Cultivation Classes I, II, & III	Occasional Cultivation Class IV	Grazing or Woodland Use Classes V, VI, & VII	Only for Wildlife Class VIII	
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)
LAND IN FARMS	21,475	275	11,368	113	33,231
(a) Cropland <u>2/</u>	12,975	93	2,645	56	15,769
(b) Grazing land <u>3/</u>	8,269	179	8,336	57	16,891
(c) Woodland <u>4/</u>	231	3	337	---	571
(d) Other land in farms	---	---	---	---	---
LAND NOT IN FARMS	---	---	---	---	---
APPROX. TOTAL LAND AREA <u>5/</u>	21,475	275	11,368	113	33,231

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture, pastured woodland, and other land in farms used for grazing purposes.

4/ 1939 Woodland acreage adjusted.

5/ 11,109,000 acres of approximate area; 9,538,000 acres of land not in farms; 1,571,000 acres of land in farms; and 1,571,000 acres of other land in farms are not included in these data.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, OKLAHOMA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled & Motor	Horse	Seed	Trees	
		To Be Done	Unskilled Labor	Equip-ment		Equip-ment	Shrubs Plants
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	6,403	106	15	50	---	---
Cover crops	"	2,842	1,660	285	3,427	63,621	---
Crop residue management	"	11,572	1,047	645	803	---	---
Crop rotation	"	12,513	---	---	---	---	---
Clearing and Grubbing	"	100	146	---	---	---	---
Drainage	"	497	1,154	259	887	---	---
Emergency Tillage	"	446	46	28	60	---	---
Green manure crops	"	6,590	8,386	1,534	16,268	74,527	---
Irrigation development	"	106	377	316	---	---	---
Management of odd areas	"	228	1,396	40	531	613	191
Management of spoil banks	"	2	325	6	12	8	102
Mulching	"	71	834	---	998	---	---
Noxious plant control	"	15	226	49	65	---	---
Outlets & farm water courses	"	11	3,561	717	3,918	196	---
Rodent control	"	825	692	---	---	---	---

(Over)

Oklahoma - Table 2 - Continues

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND - Continued							
Reorganization of fields	Acre	—	—	—	—	—	—
Obstruction removal	"	43	669	2/	80	—	—
Fencing required	Mile	59	5,294	—	—	—	—
Rotation hay or pasture	Acre	3,097	3,217	1,324	5,294	36,180	—
Shelterbelts & windbreaks	"	97	725	48	42	—	54,642
Strip cropping	"	3,079	551	213	1,324	—	—
Streambank management	"	6	208	—	6	7	4,800
Terracing	"	5,559	8,625	4,063	14,814	—	—
Tillage for impounding W.	"	2,434	102	31	283	—	—
Wildlife borders	"	25	29	7	52	281	—
GRAZING LAND							
Contour furrowing	Acre	1,084	2,012	266	4,733	—	—
Clearing and grubbing	"	389	32,614	—	1,542	—	—
Deferred grazing	"	13,527	278	—	—	—	—
Diversions	Mile	22	478	284	640	—	—
Excl. for erosion control	A.	537	135	—	—	—	—
Fire protection	Acre	17,469	273	10	109	—	—
Fertilizing Grazing land	"	2,635	935	28	1,032	—	—
Liming Pastures	"	1,378	1,590	2/	1,590	—	—
Maintaining feed reserves	Tons	481	279	8	—	—	—
Maint. forage reserves	Acre	1,341	—	—	—	—	—
Mowing of grazing land	"	3,613	1,238	228	2,021	—	—
Noxious plant control	"	158	576	—	—	—	—
Proper stocking	"	19,292	—	—	—	—	—
Pond management	"	72	810	—	—	320	1,608
Perennial hay crops	"	37	185	10	252	370	—
Rodent control	"	406	70	—	—	—	—
Rotation grazing	"	17,361	2,000	—	—	—	—
Salting	"	19,292	—	—	—	—	—
Seeding of range & P.Plants	A.	4,997	2,698	1,016	3,568	44,543	—
Sodding	Acre	1,745	14,528	1,282	14,524	—	—
Streambank management	"	1	61	—	—	—	143
Stockwater development	No.	76	5,722	1,068	1,554	—	—
Water spreading	Acre	10	8	8	4	—	—
WOODLAND							
Field and gully planting	Acre	57	518	—	20	—	57,086
Harvest cutting	"	570	—	—	—	—	—
Improvement cuttings	"	408	—	—	—	—	—
Reinforcement of woodland	"	11	19	—	—	—	2,163
Prevention of gras. damage	"	507	—	—	—	—	—
Fencing required	Mile	2	300	—	—	—	—
Fire protection	Acre	605	24	1	—	—	—
TWO OR MORE LAND USES							
Roadside erosion control	Acre	—	26,412	5,747	20,294	740	—
TOTALS			133,139	19,536	100,797	221,406	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, OREGON, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	3,094	1,420	12,921	553	17,988
(a) Cropland 2/	2,614	963	464	—	4,041
(b) Grazing Land 3/	437	388	10,487	3	11,315
(c) Woodland	43	69	1,970	—	2,082
(d) Other Land in Farms 4/	—	—	—	550	550
LAND NOT IN FARMS	—	241	40,475	3,059	43,675
APPROXIMATE TOTAL LAND AREA	3,094	1,561	53,396	3,612	61,663

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

4/ Other land in farms in 1935.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application OREGON, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour Planting	Acre	1,936	48	—	—	—	—
Cover Crops	"	248	254	—	—	9,920	—
Crop Residue Management	"	2,086	255	576	—	—	—
Crop Rotation	"	1,815	643	322	322	—	—
Diversions	Mile	2/	—	—	—	—	—
Emergency Tillage	Acre	456	—	—	—	—	—
Green Manure Crops	"	341	158	—	—	1,705	—
Irrigation							
Development	"	70	—	—	—	—	—
Improvement	"	740	215	287	215	—	—
Farm Distribution Systems	"	682	259	70	189	—	—
Group Distribution Systems	"	150	143	143	91	—	—
Land Preparation	"	349	508	992	916	—	—
Method of Water Application	"	500	973	625	169	—	—
Springs	No.	6	3/	3/	3/	—	—
Storage Dams	"	30	99	53	26	—	—
Wells	"	6	3	9	—	—	—
Mulching	Acre	41	—	—	—	—	—
Perennial Hay Crops	"	562	365 (Over)	—	—	2,810	—

Oregon - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrub Plants (1,000)
Rotation Hay or Pasture	Acre	547	374	—	—	2,835	—
Strip Cropping	"	175	—	—	—	—	—
Terracing	"	43	—	—	—	—	—
Tillage for Impound. Water	"	150	—	—	—	—	—
GRAZING LAND							
Deferred Grazing	Acre	8,548	128	—	—	—	—
Excl. for Eros. Control	"	172	7	—	—	—	—
Fertilizing Grazing Land	"	1,544	156	58	58	—	—
Liming Pastures	"	301	—	—	—	—	—
Maintaining Feed Reserves	Ton	32	—	—	—	—	—
Maintaining Forage Reserves	Acre	476	—	—	—	—	—
Mowing Grazing Land	"	758	19	13	13	—	—
Proper Stocking	"	9,309	341	—	—	—	—
Rotation Grazing	"	10,131	748	—	—	—	—
Salting	"	7,505	526	—	—	—	—
Scattering Droppings	"	797	15	11	—	—	—
Seeding Range & Past. Plts.	"	2,174	458	—	—	10,870	—
Stockwater Development	No.	3	6	4	1	—	—
WOODLAND							
Field & Gully Planting	Acre	129	400	—	—	—	—
Harvest Cutting	"	3,000	—	—	—	—	—
Improvement Cuttings	"	300	—	—	—	—	—
Pruning	"	150	—	—	—	—	—
Prevention of Graz. Damage	"	3,000	1,594	—	—	—	—
Reinforce. of Exist. Wood.	"	30	539	—	—	—	75,000
TWO OR MORE LAND USES							
Clearing & Grubbing	Acre	110	12	9	3	—	—
Drainage	"	266	477	572	—	—	—
Dune & Beach Eros. Cont.	"	50	—	—	—	900	2,905,000
Fire Protection	"	8,000	15	5	—	—	—
Management of Odd Areas	"	42	12	2	1	—	—
Management of Spoilbanks	"	3	—	—	—	—	—
Marsh Management	"	5	2	3	1	—	—
Noxious Plant Control	"	35	375	—	—	—	—
Outlets & Farm Watercourses	"	3	—	—	—	15	—
Pond Management	"	1	—	—	—	—	—
Pond Construction	No.	3	—	—	—	—	—
Reorganization of Fields	Acre	2,868	85	14	14	—	—
Roadside Eros. Control	Mile	4	27	36	—	5	—
Rodent Control	Acre	190	11	—	—	—	—
Shelterbelts & Windbreaks	"	4	4	—	—	—	4,000
Soil Saving Dams	No.	2	2	1	3/	—	—
Streambank Management	Acre	15	105	28	—	—	1,000
Wildlife Borders	"	7	—	—	—	—	—
TOTALS			10,161	3,833	2,019	29,060	

1/ Based on farm planning experience, land capability recommendations and land acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000. 3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, PENNSYLVANIA, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	9,653	1,554	3,370	17	14,594
(a) Cropland <u>2/</u>	5,888	707	606	---	7,201
(b) Grazing Land <u>3/</u>	2,068	347	1,055	---	3,470
(c) Woodland	1,056	377	1,496	7	2,936
(d) Other Land in Farms	641	123	213	10	987
LAND NOT IN FARMS	6,421	1,678	6,071	65	14,235
APPROXIMATE LAND AREA	16,074	3,232	9,441	82	28,829

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application PENNSYLVANIA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	Seed Plants (1,000)
CROPLAND						
Contour planting	Acres	5,031	253	9	238	---
Cover crops	"	947	725	149	348	9,472
Crop residue mgmt.	"	5,357	---	---	---	---
Crop rotations	"	5,870	---	---	---	---
Green manure crops	"	1,025	627	184	434	10,246
Perennial hay crops	"	536	2,692	1,019	4,062	5,259
Rotation hay or pasture	"	3,023	13	3,303	11,495	30,231
Strip cropping	"	5,421	379	---	189	---
GRAZING LAND						
Contour furrowing	"	296	186	17	217	---
Deferred grazing	"	2,804	---	---	---	---
Fertilizing established grazing land	"	3,836	1,777	335	1,878	---
Liming established past.	"	3,608	2,366	158	1,262	---
Mowing grazing land	"	1,796	1,067	102	1,931	---
Rotation grazing	"	2,690	---	---	---	---

(over)

Pennsylvania - Table 2, Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Scattering droppings	Acres	325	114	28	170	---	---
Seeding range and pasture plants	"	2,021	9,185	1,060	16,215	30,312	---
Stockwater development	No.	114	7,106	985	342	---	---
WOODLAND							
Field & gully planting	Acres	896	10,349	274	---	1,009	1,420,515
Harvest cutting	"	569	99	---	---	---	---
Improvement cuttings	"	1,667	4,956	---	---	---	---
Pruning	"	223	781	---	---	---	---
Reinforcement of exist. woodland	"	182	703	---	19	---	106,480
Prevention of grazing damage	"	1,162	6,452	31	320	---	---
White Pine rust cont.	"	266	76	---	---	---	---
TWO OR MORE LAND USES							
Marsh management	Acres	1	38	3	---	---	---
Clearing & grubbing	"	279	6,461	1,043	589	---	---
Diversions	Mile	10	3,089	219	28	---	---
Drainage	Acres	341	11,441	1,455	2,283	---	---
Fire protection	"	8,813	19,851	1,798	2,736	---	---
Hedges	Lin.Ft.	122,757	1,153	---	---	---	122,757
Management of odd areas	Acres	137	1,646	---	---	616	273,968
Mgmt. of spoil banks	"	6	---	---	---	---	---
Mulching	"	42	1,530	---	46	---	---
Outlets and farm watercourses	"	16	2,592	136	365	828	---
Roadside erosion cont.	"		7,909	1,162	---	351	254,938
Farm pond mgmt.	"	21	125	18	37	32	2,111
Reorganization of fields-							
Obstruction removal	Acres	924	17,775	323	---	---	---
Fences changed	Miles	10	4,677	4	57	---	---
Shelterbelts and windbreaks	Acres	1	2/	---	2/	1	162
Streambank ero. cont.	"	92	1,705	118	5	---	97,400
Terraces	"	332	1,505	375	52	---	---
Wildlife borders	"	20	244	---	9	41	20,308
TOTAL			131,647	14,308	45,327	88,398	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, RHODE ISLAND, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation Classes I, II, & III	Suitable for Occasional Cultivation Class IV	Suitable for Grazing or Woodland Use Classes V, VI, & VII	Suitable Only for Wildlife Class VIII	Total (1,000 Acres)
	(1,000 Acres)	(1,000 Acres)	(1,000 Acres)	(1,000 Acres)	
LAND IN FARMS	73	33	116	<u>4/</u>	222
(a) Cropland ^{2/}	42	15	5	---	62
(b) Grazing land ^{3/}	8	5	33	---	46
(c) Woodland	12	9	70	---	91
(d) Other Land in farms	11	4	8	<u>4/</u>	23
LAND NOT IN FARMS	109	53	293	<u>4/</u>	455
APPROXIMATE TOTAL LAND AREA	182	86	409	<u>4/</u>	677

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

^{4/} Less than 1,000.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, RHODE ISLAND, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled & Motor	Horse	Trees		
		To Be Done (1,000)	Unskilled Labor (Man Yrs.)	Equip- ment (Yrs.)	Equip- ment (Yrs.)	Seed (Tons)	Shrubs Plants (1,000)
CROPLAND							
Contour planting	Acre	34	5	1	1	---	---
Cover crops	"	20	16	3	7	203	---
Crop residue mgmt.	"	33	---	---	---	---	---
Crop rotations	"	52	---	---	---	---	---
Green manure crops	"	29	18	5	12	581	---
Perennial hay crops	"	8	41	15	61	81	---
Rotation, hay or pasture	"	32	81	35	123	292	---
Strip cropping	"	31	171	4	6	---	---
GRAZING LAND							
Contour furrowing	"	3	2	<u>3/</u>	2	---	---
Deferred grazing	"	44	---	---	---	---	---
Fertilizing grazing land	"	50	23	10	24	---	---

(over)

Rhode Island - Table 2, Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Liming pastures	Acres	47	31	19	17	---	---
Mowing of grazing land	"	28	17	2	30	---	---
Rotation grazing	"	42	259	4	7	---	---
Scattering droppings	"	4	1	3/	2	---	---
Seeding of range and pasture plants	"	19	88	10	155	193	---
Stockwater development	No.	2	35	3/	2	---	---
WOODLAND							
Field & gully pltg.	Acres	12	143	3	4	14	14,911
Harvest cutting	"	41	7	---	---	---	---
Improvement cuttings	"	74	220	---	---	---	---
Pruning	"	12	42	---	---	---	---
Reinforcement of exist. woodlands	"	2	9	3/	3/	1	923
Prevention of grazing damage	"	37	205	3	5	---	---
White Pine Blister Rust control	"	46	13	1	---	---	---
TWO OR MORE LAND USES							
Marsh management	"	2/	1	3/	3/	3/	---
Roadside erosion control	"	46	32	---	---	2	1,600
Clearing and grubbing	"	7	257	73	22	---	---
Diversions	Miles	2/	25	3	3/	---	---
Drainage	Acres	5	88	15	28	---	---
Dune and beach erosion control	"	4	210	5	4	---	24,420
Fire Protection	"	89	257	28	35	---	---
Hedges	Lin.Ft.	344	3	3/	3/	---	340
Mulching	Acres	1	32	3/	1	1	---
Outlets & farm water courses	"	2/	11	2	1	---	---
Farm pond mgmt.	"	2/	48	3/	3/	---	---
Reorganization of fields	"	7	97	7	1	---	---
Obstruction removal	"	7	97	7	1	---	---
Fences changed	Miles	2/	33	1	3/	---	---
Shelter. & windbreaks	Acres	2/	1	3/	3/	---	---
Streambank erosion control mgmt.	"	3	15	2	---	---	1,200
Terraces	"	2	10	5	5	---	---
Wildlife borders	"	2/	3	---	---	1	200
Mgmt. of odd areas	"	9	108	---	---	41	18
TOTAL			2,672	288	555	1,410	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, SOUTH CAROLINA, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	6,446	1,463	3,321	9	11,239
(a) Cropland ^{2/}	3,985	617	320	3	4,925
(b) Grazing land ^{3/}	364	70	168	2	604
(c) Woodland	1,767	668	2,425	4	4,864
(d) Other Land in Farms	330	108	408	---	846
LAND NOT IN FARMS	3,485	1,133	3,724	---	8,342
APPROXIMATE TOTAL LAND AREA	9,931	2,596	7,045	9	19,581

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land acreage is the Census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, SOUTH CAROLINA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	Seed Plants
						(Tons) (1,000)
CROPLAND						
Contour planting	Acre	424	556	---	---	---
Cover crops	"	1,289	1,126	---	---	---
Crop residue mgmt.	"	257	225	---	---	---
Crop rotations	"	4,405	193	---	---	---
Green manure crops	"	1,105	725	---	483	16,578
Perennial hay crops	"	393	2,318	---	2,060	5,892
Strip cropping	"	1,199	2,463	---	---	---
Grubbing	"	157	1,990	---	---	---
Drainage (Farm)	"	219	3,480	14	488	---
Drainage (Community)	"	13	28	6	---	---
Outlets (Meadow strips)	"	174	2,432	---	2,279	3,043
Reorganization of fields	"	647	2,601	---	---	---
Terracing (Horse)	"	1,642	10,767	---	3,587	---

(over)

South Carolina - Table 2, Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Terracing (Heavy tractor)	Acre	364	1,272	477	---	---	---
Terracing (Light tractor)	"	1,642	5,742	2,153	---	---	---
GRAZING LAND							
Fertiliz. grazing land	"	644	---	---	---	---	---
Liming pastures	"	634	---	---	---	---	---
Mowing grazing land	"	649	---	---	---	---	---
Scattering droppings	"	66	---	---	---	---	---
Stockwater development	No.	2	412	---	182	---	---
Mulching	Acre	12	129	---	129	---	---
WOODLAND							
Field & gully planting	"	39	430	---	---	---	46,672
Harvest cutting	"	988	22,013	---	3,021	---	---
Improvement cuttings	"	3,688	66,081	---	16,117	---	---
Pruning	"	111	485	---	---	---	---
Reinforcement of existing woodland	"	40	123	---	---	---	12,065
Prevention of grazing damage	"	4,706	2,057	---	1,028	---	---
Fire protection	"	2,872	2,511	---	1,255	---	---
TWO OR MORE LAND USES							
Roadside erosion control	"	42	46	---	18	---	---
Dune and beach erosion control	"	34	464	---	---	---	---
Management of odd areas	"	46	402	---	---	---	---
Management of spoil banks-							
Grass	"	2/	1	---	1	2	---
Kudzu	"	2/	3/	---	3/	---	16
Pond management	"	21	451	162	---	---	---
Streambank management	"	2/	4	---	---	---	---
Wildlife borders	"	169	884	147	663	1,686	---
Hedges	"	23	101	---	80	---	---
TOTAL			132,512	2,959	31,391	27,201	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, SOUTH DAKOTA, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation Classes I, II, & III	Suitable for Occasional Cultivation Class IV	Suitable for Grazing or Woodland Use Classes V, VI, & VII	Suitable Only for Wildlife Class VIII	Total
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	
LAND IN FARMS	13,889	7,855	17,383	346	39,473
(a) Cropland ^{2/}	11,102	3,711	2,091	—	16,904
(b) Grazing Land ^{3/}	2,091	3,926	14,747	327	21,091
(c) Woodland	83	58	199	—	340
(d) Other land in farms	613	160	346	19	1,138
LAND NOT IN FARMS	1,127	1,581	5,968	834	9,510
APPROXIMATE TOTAL LAND AREA	15,016	9,436	23,351	1,180	48,983

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes. 17,816 acres listed as cropland and 6 acres listed as woodland in 1939 included in grazing land figures.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, SOUTH DAKOTA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Equip-	Seed	Trees
		To Be Done (1,000)	Unskilled Labor (Man Yrs)	ment (Yrs.)		Shrubs Plants (1,000)
CROPLAND						
Contour planting	Acres	2,416	—	—	—	—
Crop residue management	"	6,573	—	—	—	—
Diversions	Mile	79	1,453	1,453	—	—
Drainage	Acre	8	4	4	—	—
Outlets & farm water courses	"	141	656	198	1,487	—
Rotation hay or pasture	"	5,968	—	—	—	—
Shelterbelts and windbreaks	"	371	3,892	324	—	371,000
Strip cropping	"	5,088	—	—	—	—
Terracing	"	335	395	395	—	—

(over)

South Dakota - Table 2. - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Irrigation - div. dams	No.	2/	5	—	—	—
Irrigation - farm dist.	Acre	30	46	1	—	—
Irrigation - land preparation	"	15	26	13	—	—
Irrigation - main laterals	mile	2/	93	17	—	—
Irrigation - method of water application	Acre	30	—	—	—	—
Irrigation - pump from streams	No.	2/	17	—	—	—
Irrigation - storage dams	"	2/	202	20	—	—
GRAZING LAND						
Contour furrowing	Acre	108	14	14	—	—
Fire protection	"	7,549	—	—	—	—
Mowing grazing land	"	3,750	—	—	—	—
Proper stocking	"	11,939	—	—	—	—
Rotation & deferred grazing	"	9,575	—	—	—	—
Seeding of range and pasture plants	"	2,100	618	618	12,321	—
Stockwater development	No.	14	748	240	—	—
Stock.dams, springs	"	12	648	216	—	—
Stock.wells	"	2	100	24	—	—
Water spreading	Acre	109	286	191	—	—
WOODLAND						
Field & gully planting	"	1	21	3	—	2,184
Fire protection	"	338	2	—	—	—
Harvest & impr. cuttings	"	220	481	—	—	—
Prevention of grazing damage	"	197	—	—	—	—
Reinf. exist. woodlands	"	66	255	—	—	15,240
TWO OR MORE LAND USES						
Pond management	"	15	60	—	—	1,520
Marsh management	"	9	18	—	23	919
Wildlife borders	"	25	49	11	62	7,466
Management of odd areas	"	294	579	—	294	29,420
Soil saving dams	No.	1	219	11	—	—
Streambank management	Acre	11	27	—	—	1,120
Roadside erosion control	mile	7	246	74	563	—
Fencing	"	1	63	—	—	—
TOTALS			10,475	3,587	14,750	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, TENNESSEE, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation Classes I, II & III	Suitable for Occasional Cultivation Class IV	Suitable for Grazing or Woodland use Classes V, VI & VII	Suitable Only for Wildlife Class VIII	Total
	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	(1,000) (Acres)	
LAND IN FARMS	9,132	2,550	6,809	1	18,492
(a) Cropland ^{2/}	5,598	1,012	1,001	1	7,612
(b) Grazing Land ^{3/}	1,420	486	1,641	—	3,547
(c) Woodland	1,445	747	3,027	—	5,219
(d) Other Land in Farms	669	305	1,140	—	2,114
LAND NOT IN FARMS	1,964	1,295	4,991	112	8,362
APPROXIMATE TOTAL LAND AREA	11,096	3,845	11,800	113	26,854

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land acreage is the Census plowable pasture.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, TENNESSEE, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining To Be Done	Skilled & Unskilled Labor	Motor Equip-ment	Horse Equip-ment	Seed	Trees Shrubs Plants
		(1,000)	(Man Yrs.)	(Yrs)	(Yrs)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	1,551	2,033	—	—	—	—
Cover crops	"	76	66	—	—	—	—
Crop residue management	"	944	825	—	—	—	—
Crop rotations	"	4,159	181	—	—	—	—
Green manure crops	"	817	536	—	357	12,255	—
Perennial hay crops	"	640	3,776	—	3,358	9,605	—
Rotation, hay or pasture	"	938	1,352	—	1,311	—	—
Strip cropping	"	1,804	3,706	—	—	14,065	—
Clearing woods	"	124	16,275	—	—	—	—
Grubbing	"	1,082	13,717	—	—	—	—
Drainage (Farm)	"	263	3,428	19	540	—	—
Drainage (Community)	"	9	19	4	—	—	—

(Over)

Tennessee - Table 2. Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Seed (Tons)	Trees Shrub Plants (1,000)
Outlets (Meadow strips)	Acre	259	3,627	---	3,400	4,538	---
Reorganization of fields	"	2,168	8,716	---	---	---	---
Terracing (Horse)	"	2,369	15,528	---	5,176	---	---
Terracing (Heavy Tractor)	"	524	1,832	687	---	---	---
Terracing (Light Tractor)	"	2,369	8,281	3,106	---	---	---
GRAZING LAND							
Deferred grazing	Acre	204	22	---	---	---	---
Fertilizing grazing land	"	3,910	---	---	---	---	---
Liming Pasture	"	2,264	---	---	---	---	---
Mowing grazing land	"	4,131	---	---	---	---	---
Scattering droppings	"	429	---	---	---	---	---
Seeding of range and pasture plants	"	241	1,345	---	1,156	3,608	---
Stockwater development	No.	9	1,529	---	675	---	---
Mulching	Acre	43	470	---	469	---	---
WOODLAND							
Field and gully planting	"	135	1,496	---	---	---	162,328
Harvest cutting	"	1,095	24,411	---	3,351	---	---
Improvement cuttings	"	4,370	78,300	---	19,097	---	---
Reinforcement of existing woodland	"	55	167	---	---	---	12,378
Prevention of grazing damage	"	5,592	2,444	---	1,222	---	---
Fire protection	"	2,019	1,764	---	882	---	---
TWO OR MORE LAND USES							
Diversions	100 ft	<u>2/</u>	<u>3/</u>	---	---	<u>3/</u>	<u>4</u>
Roadside erosion control	Acre	66	72	---	29	---	---
Dune and beach erosion control	"	---	---	---	---	---	---
Management of odd areas	"	66	577	---	---	---	---
Management of spoil banks	"	---	---	---	---	---	---
Grass	"	<u>2/</u>	<u>3/</u>	---	<u>3/</u>	1	---
Kudzu	"	<u>2/</u>	<u>3/</u>	---	<u>3/</u>	---	12
Pond management	"	38	830	300	---	---	---
Streambank management	"	1	9	---	---	---	---
Wildlife borders	"	264	1,387	231	1,040	1	---
Hedges	"	33	144	---	115	---	---
TOTALS			198,865	4,347	42,178	44,073	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

3/ Less than 1

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, TEXAS, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	64,946	1,822	66,863	1,082	134,713
(a) Cropland 2/	27,867	764	3,836	416	32,883
(b) Grazing Land 3/	36,430	1,058	62,219	666	100,373
(c) Woodland 4/	649	—	808	—	1,457
(d) Other Land in Farms	—	—	—	—	—
LAND NOT IN FARMS	—	—	—	—	—
APPROXIMATE TOTAL LAND AREA 5/	64,946	1,822	66,863	1,082	134,713

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture, pastured woodland, and other land in farms used for grazing purposes. 4/ 1939 woodland acreage adjusted.

5/ 34,017,000 acres of approximate land area; 31,049,000 acres of land not in farms; 2,969,000 acres of land in farms; 2,079,000 acres of other land in farms; 3,000 acres of woodland; 753,000 acres of grazing land; and 134,000 acres of cropland are not included in these data.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, TEXAS, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour Planting	Acres	18,195	273	51	97	—	—
Cover Crops	"	9,073	1,830	900	2,102	100,057	—
Crop Residue Management	"	28,330	2,016	1,350	1,470	—	—
Crop Rotation	"	27,587	—	—	—	—	—
Clearing & Grubbing	"	585	814	—	—	—	—
Drainage	"	947	4,084	666	3,132	—	—
Emergency Tillage	"	1,765	154	109	156	—	—
Green Manure Crops	"	16,657	26,079	6,091	42,109	179,292	—
Irrigation Development	"	576	2,972	2,061	313	—	—
Management of Odd Areas	"	489	2,935	210	1,610	597	64,064
Management of Spoilbanks	"	14	200	40	39	102	1,814
Mulching	"	114	5,447	—	1,599	—	—
Noxious Plant Control	"	309	1,997	1,498	1,296	—	—
Outlets & Farm Watercourses	"	113	10,758	2,032	16,421	321	—
Rodent Control	"	5,028	587	—	—	—	—
Reorganization of Fields	"	120	1,424	20	362	—	—
Obstruction Removal	"	90	10,946	—	—	—	—
Fencing Required	Mile	90	(Over)	—	—	—	—

Texas - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Rotation Hay or Pasture	Acre	7,742	7,332	4,406	9,098	89,771	—
Shelterbelts & Windbreaks	"	57	491	30	26	—	34,236
Strip Cropping	"	13,247	1,142	683	1,925	—	—
Streambank Management	"	7	194	—	26	31	4,218
Terracing	"	16,097	23,547	8,648	42,806	—	—
Tillage for Impound. Water	"	11,770	494	152	1,366	—	—
Wildlife Borders	"	99	104	27	166	1,046	—
GRAZING LAND							
Contour Furrowing	Acre	4,850	7,199	885	16,403	—	—
Clearing & Grubbing	"	10,206	219,803	—	11,167	—	—
Deferred Grazing	"	62,260	1,354	—	—	—	—
Diversions	Mile	32	953	387	1,715	—	—
Exclusion for Eros. Cont.	Acre	4,043	882	—	—	—	—
Fire Protection	"	94,346	1,833	59	882	—	—
Fertilizing Grazing Land	"	12,527	4,213	28	4,312	—	—
Liming Pastures	"	2,754	3,177	—	3,177	—	—
Irrigation Development	"	22	27	753	—	—	—
Maintaining Feed Reserves	Ton	2,196	1,982	25	—	—	—
Maintain. Forage Reserves	Acre	9,637	—	—	—	—	—
Mowing Grazing Land	"	17,315	5,981	1,700	8,176	—	—
Noxious Plant Control	"	9,830	68,506	—	—	—	—
Proper Stocking	"	102,739	—	—	—	—	—
Pond Management	"	109	720	—	—	305	1,538
Perennial Hay Crops	"	259	1,068	117	1,378	2,377	—
Rodent Control	"	13,701	1,758	—	—	—	—
Rotation Grazing	"	92,724	9,921	—	—	—	—
Salting	"	102,739	—	—	—	—	—
Seeding Range & Past. Plts.	"	21,017	10,187	1,643	13,164	184,638	—
Sodding	"	4,437	35,439	2,658	40,146	—	—
Streambank Management	"	8	328	—	—	—	7,660
Stockwater Development	No.	122	12,559	1,705	4,929	—	—
Water Spreading	Acre	476	399	349	200	—	—
WOODLAND							
Field & Gully Planting	Acre	69	626	—	24	—	68,911
Harvest Cutting	"	1,495	—	—	—	—	—
Reinforce. of Exist. Wood.	"	6	10	—	—	—	1,132
Prevention of Graz. Damage	"	1,410	—	—	—	—	—
Fencing Required	Mile	6	814	—	—	—	—
Fire Protection	Acre	1,511	84	1	—	—	—
Improvement Cuttings	"	1,407	—	—	—	—	—
TWO OR MORE LAND USES							
Roadside Erosion Control			78,420	12,201	91,090	1,482	—
TOTALS			574,063	51,485	322,882	560,019	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, UTAH, 1939 ^{1/}

Land Use	Suitable for Continuous Cultivation Classes I, II & III (1,000) (Acres)	Suitable for Occasional Cultivation Class IV (1,000) (Acres)	Suitable for Grazing or Woodland Use Classes V, VI & VII (1,000) (Acres)	Suitable Only for Wildlife Class VIII (1,000) (Acres)	Total (1,000) (Acres)
LAND IN FARMS	1,605	451	4,404	843	7,303
(a) Cropland ^{2/}	1,164	111	79	13	1,367
(b) Grazing land ^{3/}	404	336	4,261	496	5,497
(c) Woodland ^{4/}	—	—	30	—	30
(d) Other land in farms ^{5/}	37	4	34	334	409
LAND NOT IN FARMS	—	2,854	32,990	9,555	45,399
APPROXIMATE TOTAL LAND AREA	1,605	3,305	37,394	10,398	52,702

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

^{4/} Woodland not pastured in 1935. 13 acres listed as Woodland not pastured in 1935 not included in these data.

^{5/} Other land in farms in 1935. 3,322 acres listed as Other Land in farms in 1935 not included in these data.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, UTAH, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
CROPLAND							
Contour planting	Acre	325	7	—	—	—	—
Crop residue mgmt.	"	650	—	—	—	—	—
Crop rotations	"	1,200	—	—	—	—	—
Drainage	"	270	—	—	—	—	—
Green manure crops	Acre	100	22	9	—	1,000	—
Outlets and farm watercourses	"	^{2/}	^{2/}	^{3/}	—	^{3/}	—
Perm. Hay & Pasture	"	150	—	—	—	—	—
Rodent control	"	150	79	—	—	—	—

(Over)

Utah - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (ManYrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Soil saving dams	No.	2/	---	---	---	---	---
Strip cropping	Acre	125	---	---	---	---	---
Terracing	"	47	137	33	---	---	---
Irrigation Development and improvement	"	1,100	7,982				
Canal lining & PipeL.	L.F.	750					
Distribution systems	L.F.	21,000					
Land Leveling	Acre	825					
Overnight storage	No.	1					
Soil saving dikes	Acre	225					
Structures	No.	3,003					
Toxic salt reduction	Acre	70					
GRAZING LAND							
Clearing & Grubbing	Acre	750	2,622	524	---	---	---
Contour furrowing	"	140	92	12	---	---	---
Deferred & rot. grazing	"	4,000	---	---	---	---	---
Excl. for Eros. Control	"	500	---	---	---	---	---
Fencing	Mile	4	677	---	---	---	---
Maint. Forage Reserves	Acre	3,420	---	---	---	---	---
Mowing grazing land	"	206	---	---	---	---	---
Proper stocking	"	5,400	---	---	---	---	---
Rotation grazing	"	2,879	---	---	---	---	---
Scattering droppings	"	206	72	---	1	---	---
Seeding Rge.&Past.Plants ^{1/}	"	2,000	1,748	114	---	5,000	---
Stockwater development	No.	5	1,128	472	---	---	---
Water spreading	Acre	50	55	11	---	---	---
WOODLAND							
Field & gully planting	Acre	1	---	---	---	---	---
Fire protection	"	30	2/	---	---	---	---
Harvest cutting	"	25	---	---	---	---	---
Shelterbelts & Windbr.	"	4	51	---	---	---	4,800
TWO OR MORE LAND USES							
Diversions	Mile	2/	88	44	---	---	---
Marsh management	Acre	5	---	---	---	---	---
Mgmt. of odd areas	"	10	---	---	---	---	---
Noxious plant control	"	460	5,026	---	---	---	---
Pond management	"	2	---	---	---	---	---
Streambank management	"	8	103	---	---	---	9,728
Streambank protection	Mile	2/	635	75	---	---	---
TOTAL			20,524	1,294	1	6,000	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

3/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, VERMONT, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	1,486	254	1,928	—	3,668
(a) Cropland 2/	912	110	56	—	1,078
(b) Grazing land 3/	425	94	808	—	1,327
(c) Woodland	96	43	1,035	—	1,174
(d) Other land in farms	53	7	29	—	89
LAND NOT IN FARMS	310	77	1,879	4	2,270
APPROXIMATE TOTAL LAND AREA	1,796	331	3,807	4	5,938

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, VERMONT, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment Seed	Shrubs Plants
		(1,000)	(Man Yrs)	(Yrs.)	(Yrs.) (Tons)	(1,000)
CROPLAND						
Contour planting	Acre	590	26	3/	26	—
Cover crops	"	344	263	54	126	3,439
Crop residue mgmt.	"	673	—	—	—	—
Crop rotations	"	880	—	—	—	—
Green manure crops	"	479	293	86	203	4,787
Perennial hay crops	"	87	440	205	663	875
Rotation hay or pasture	"	496	1,246	542	1,885	6,196
Strip cropping	"	583	41	—	21	—
GRAZING LAND						
Contour furrowing	Acre	77	48	4	56	—
Deferred grazing	"	1,130	—	—	—	—
Fert.estab.graz.land	"	1,362	631	119	667	—
Liming estab.pastures	"	1,163	762	51	406	—
Mowing of graz.land	"	775	460	44	833	—
Rotation grazing	"	1,151	—	—	—	—

(Over)

Vermont - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Scattering droppings	Acres	108	38	10	57	—	—
Seeding rge.&past.plts.	"	614	2,792	322	4,928	9,212	—
Stockwater development	No.	38	985	105	48	—	—
WOODLAND							
Field& Gully Planting	Acres	135	1,562	—	42	152	214,418
Harvest cutting	"	677	118	—	—	—	—
Improvement cuttings	"	913	2,713	—	—	—	—
Pruning	"	122	427	—	—	—	—
Reinf.of Exist.Wldds.	"	20	79	—	2	8	11,970
Prevention of graz.dam.	"	317	1,761	8	45	—	—
White pine blister rust control	"	501	142	—	—	—	—
TWO OR MORE LAND USES							
Clearing & grubbing	Acres	167	4,819	720	422	—	—
Diversions	Mile	1	402	29	3	—	—
Drainage	Acres	106	1,895	344	622	—	—
Fire protection	"	1,555	3,536	320	487	—	—
Hedges	Lin.Ft.	5,845	68	—	—	—	5,845
Mgmt. of odd areas	Acres	38	3/	—	—	270	75,356
Mgmt. of spoil banks	"	2/	—	—	—	—	—
Mulching	"	15	531	16	—	—	—
Outlets & farm w.courses"	"	5	930	49	155	53	—
Roadside eros.control	"	—	586	92	—	74	14,819
Farm pond management	Acres	2	14	2	4	4	233
Reorganization of fields							
Obstruction removed	Acres	146	2,643	51	—	—	—
Fences changed	Mile	2	894	1	9	—	—
Shelterbelts & w.brks.	Acres	1	3/	—	3/	1	82
Streambank erosion control management							
control management	Acres	44	391	13	6	—	22,600
Terraces	"	58	261	62	10	—	—
Wildlife borders	"	6	73	—	3	22	6,213
TOTAL			31,870	3,249	11,729	25,093	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

3/ Less than 1.

NOTE: These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, VIRGINIA, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS <u>6/</u>	6,548	2,000	7,881	3	16,432
(a) Cropland <u>2/</u>	3,439	500	823	3	4,765
(b) Grazing Land <u>3/</u>	1,350	378	1,459	<u>8/</u>	3,187
(c) Woodland <u>4/</u>	1,327	861	4,573	---	6,761
(d) Other land in Farms <u>5/</u>	432	261	1,026	---	1,719
LAND NOT IN FARMS	1,914	1,658	5,424	---	8,996
APPROXIMATE TOTAL LAND AREA <u>7/</u>	8,462	3,658	13,305	3	25,428

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow. 5,740 acres listed as Cropland in 1939 not included in these data.
- 3/ Grazing land acreage is the Census plowable pasture. 3,757 acres listed as plowable pasture not included in these data.
- 4/ 1,768 acres listed as Woodland in 1939 not included in these data.
- 5/ 1,781 acres listed as other land in farms in 1939 not included in these data.
- 6/ 13,046 acres listed as all land in farms in 1939 not included in these data.
- 7/ 106,880 acres listed as approximate land area in 1939 not included in these data.
- 8/ Less than 1,000

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, VIRGINIA, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs Plants
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour planting	Acre	851	1,115	---	---	---	---
Cover crops	"	690	604	---	---	---	---
Crop residue management	"	416	364	---	---	---	---
Crop rotations	"	3,604	157	---	---	---	---
Green manure crops	"	941	617	---	411	14,110	---
Perennial hay crops	"	369	2,178	---	1,936	5,538	184,604
Rotation, hay or pasture	"	29	42	---	40	433	---
Strip cropping	"	1,110	2,280	---	---	---	---
Grubbing	"	799	10,130	---	---	---	---
Drainage (Farm)	"	167	2,168	12	342	---	---
Drainage (Community)	"	7	15	3	---	---	---

(Over)

Virginia - Table 2. Continued --

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Outlets(Meadow Strips) Acre		133	1,864	---	1,747	2,332	---
Reorganization of Fields "		666	2,673	---	---	---	---
Terracing (horse) "		1,424	9,338	---	3,113	---	---
Terracing (Heavy tractor) "		322	1,125	422	---	---	---
Terracing (light tractor) "		1,424	4,980	1,876	---	---	---
GRAZING LAND							
Contour furrowing "		22	85	---	71	---	---
Deferred grazing "		30	3	---	---	---	---
Fertilizing grazing land "		3,422	---	---	---	---	---
Liming Pasture "		3,444	---	---	---	---	---
Mowing grazing land "		3,444	---	---	---	---	---
Scattering droppings "		338	---	---	---	---	---
Seeding of range and pasture plants "		15	85	---	73	227	---
Stockwater development No.		5	934	---	412	---	---
Mulching Acre		35	382	---	380	---	---
WOODLAND							
Field & gully planting "		270	2,983	---	---	---	323,671
Harvest cutting "		1,410	31,440	---	4,314	---	---
Improvement cuttings "		5,469	97,999	---	23,902	---	---
Pruning "		26	114	---	---	---	---
Reinforcement of existing woodland "		76	233	---	---	---	22,832
Prevention of grazing damage "		7,174	3,135	---	1,568	---	---
Fire protection "		4,794	4,191	---	2,095	---	---
TWO OR MORE LAND USES							
Diversions 100 ft.		2/	3/	---	---	3/	5
Roadside erosion control A.		33	36	---	14	---	---
Dune & beach erosion control Acre		23	318	---	---	---	---
Management of odd areas "		39	344	---	---	---	---
Management of spoil banks							
Grass "		2/	3/	---	3/	1	---
Kudzu "		2/	3/	---	---	---	13
Pond management "		26	912	205	---	---	---
Streambank management "		1	9	---	---	---	---
Wildlife borders "		158	808	138	622	1,576	---
Hedges "		20	87	---	70	---	---
TOTALS			183,753	2,656	41,110	24,217	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, WASHINGTON, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	4,863	1,796	7,953	571	15,183
(a) Cropland ^{2/}	4,391	1,463	376	—	6,230
(b) Grazing Land ^{3/}	446	315	6,160	—	6,921
(c) Woodland	26	18	1,417	—	1,461
(d) Other Land in Farms ^{4/}	—	—	—	571	571
LAND NOT IN FARMS	—	—	24,981	2,702	27,683
APPROXIMATE TOTAL LAND AREA	4,863	1,796	32,934	3,273	42,866

^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

^{2/} Cropland includes land used for crops and idle or fallow.

^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

^{4/} Other land in farms in 1935.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, WASHINGTON, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Seed	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour Planting	Acre	2,896	66	—	—	—	—
Cover Crops	"	118	76	—	—	4,720	—
Crop Residue Management	"	2,278	218	332	—	—	—
Crop Rotation	"	2,420	699	349	349	—	—
Diversions	Mile	^{2/}	—	—	—	—	—
Emergency Tillage	Acre	1,149	—	—	—	—	—
Green Manure Crops	"	918	370	—	—	4,590	—
Irrigation							
Development	"	1,300	—	—	—	—	—
Improvement	"	400	176	235	176	—	—
Land Preparation	"	1,250	33	65	65	—	—
Method of Water Application ⁿ	"	250	114	76	19	—	—
Farm Distribution Systems	"	301	—	—	—	—	—
Group Distribution Systems	"	125	—	—	—	—	—
Springs	No.	7	—	—	—	—	—
Wells	"	5	—	—	—	—	—
Mulching	Acre	40	—	—	—	—	—

(Over)

Washington - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equip-ment (Yrs.)	Horse Equip-ment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Perennial Hay Crops	Acre	1,068	632	—	—	5,340	—
Rotation Hay or Past.	"	625	354	—	—	3,125	—
Strip Cropping	"	378	—	—	—	—	—
Terracing	"	18	—	—	—	—	—
Tillage for Imp. Water	"	340	—	—	—	—	—
GRAZING LAND							
Deferred Grazing	Acre	4,226	47	—	—	—	—
Fertilizing Graz. Land	"	851	81	31	31	—	—
Liming Pastures	"	68	—	—	—	—	—
Maint. Feed Reserves	Ton	19	—	—	—	—	—
Maint. Forage Reserves	Acre	263	—	—	—	—	—
Mowing Grazing Land	"	378	7	5	5	—	—
Proper Stocking	"	5,910	141	—	—	—	—
Rotation Grazing	"	4,225	297	—	—	—	—
Salting	"	5,195	144	—	—	—	—
Scattering Droppings	"	378	5	—	4	—	—
Seed. Rge. & Past. Plts.	"	730	126	—	—	3,650	—
Stockwater Development No.		2	3	4	1	—	—
WOODLAND							
Field & Gully Planting	Acre	90	274	—	—	—	90,000
Harvest Cutting	"	2,500	—	—	—	—	—
Improvement Cuttings	"	250	—	—	—	—	—
Prevent. of Graz. Damage	"	2,500	1,237	—	—	—	—
Reinforce. of Exist. Wood!	"	50	338	—	—	—	75,000
TWO OR MORE LAND USES							
Clearing & Grubbing	Acre	138	—	—	—	—	—
Drainage	"	450	—	—	—	—	—
Dune & Beach Eros. Cont.	"	15	473	568	—	270	871,500
Marsh Management	"	6	—	—	—	—	—
Fire Protection	"	5,000	9	3	—	—	—
Management of Odd Areas	"	36	34	43	14	—	—
Noxious Plant Control	"	30	179	—	—	—	—
Outlets & Farm Watercourses ^{1/}	"	15	—	—	—	10	—
Management of Spoilbanks ^{2/}	"	5	—	—	—	—	—
Pond Management	"	2	—	—	—	—	—
Roadside Eros. Cont.	Mile	5	33	34	—	5	—
Rodent Control	Acre	179	3/	—	—	—	—
Reorganization of Fields	"	3,387	49	8	8	—	—
Shelter. & Windbreaks	"	13	24	—	—	—	3,000
Soil Saving Dams	No.	3	3	1	3/	—	—
Streambank Management	Acre	20	99	26	—	—	4,000
Wildlife Borders	"	10	—	—	—	—	—
Pond Construction	No.	5	—	—	—	—	—
Pruning	Acre	125	—	—	—	—	—
TOTALS			6,341	1,780	672	21,710	

1/ Based on farm planning experience, land capability recommendations, and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000. 3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, WEST VIRGINIA, 1939 ^{1/}

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	3,065	1,629	4,202	13	8,909
(a) Cropland ^{2/}	1,250	269	309	—	1,828
(b) Grazing Land ^{3/}	1,203	716	1,792	2	3,713
(c) Woodland	433	560	1,994	8	2,995
(d) Other Land In Farms	179	84	107	3	373
LAND NOT IN FARMS	1,365	1,156	3,958	30	6,509
APPROXIMATE TOTAL LAND AREA	4,430	2,785	8,160	43	15,418

- ^{1/} These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- ^{2/} Cropland includes land used for crops and idle or fallow.
- ^{3/} Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, WEST VIRGINIA, 1943 (SEE FOOTNOTE ^{1/})

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees	Shrubs
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment		
		(1,000)	(Man Yrs.)	(Yrs.)	(Yrs.)	(Tons)	(1,000)
CROPLAND							
Contour Planting	Acre	1,188	81	80	68	—	—
Cover Crops	"	213	163	34	78	2,133	—
Crop Rotation	"	1,363	—	—	—	—	—
Crop Residue Management	"	1,296	—	—	—	—	—
Green Manure Crops	"	229	140	41	97	2,289	—
Perennial Hay Crops	"	161	807	305	1,217	1,606	—
Rotation Hay or Pasture	"	702	1,764	767	2,669	8,774	—
Strip Cropping	"	1,221	85	—	43	—	—
GRAZING LAND							
Contour Furrowing	Acre	462	291	26	340	—	—
Fertilizing Grazing Land	"	3,760	1,742	329	1,840	—	—
Liming Pastures	"	3,685	2,416	161	1,288	—	—
Mowing Grazing land	"	2,009	1,194	114	2,160	—	—
Rotation Grazing	"	2,002	—	—	—	—	—
Scattering Droppings	"	220	77	192	115	—	—
Deferred Grazing	"	3,402	—	—	—	—	—

(Over)

West Virginia - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs.)	Motor Equipment (Yrs.)	Horse Equipment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Seeding Range & Past. Flts.	Acre	1,412	6,418	740	11,330	21,179	--
Stockwater Development	No.	119	4,259	517	205	--	--
WOODLAND							
Field & Gully Planting	Acre	1,326	14,271	--	378	2	2,101,771
Harvest Cutting	"	361	63	--	--	--	--
Improvement Cuttings	"	1,660	4,932	--	--	--	--
Pruning	"	55	193	--	--	--	--
Reinforce. of Exist. Wood.	"	506	1,956	--	53	--	296,172
Prevention of Graz. Damage	"	1,393	773	37	195	--	--
White Pine Blister Rust Control	"	142	40	--	--	--	--
TWO OR MORE LAND USES							
Marsh Management	Acre	2/	8	3/	--	--	--
Clearing & Grubbing	"	270	948	916	502	--	--
Diversions	Mile	3	892	63	8	--	--
Drainage	Acre	100	1,546	192	524	--	--
Fire Protection	"	7,517	12,818	1,161	1,766	--	--
Hedges	Lin. Ft.	24,750	233	--	--	--	24,750
Management of Odd Areas	Acre	71	857	--	--	321	142,644
Management of Spoilbanks	"	7	--	--	--	--	--
Mulching	"	30	1,077	--	32	--	--
Outlets & Farm Watercourses	"	3	173	12	7	26	--
Roadside Erosion Control	"	--	5,191	40	--	41	42,602
Farm Pond Management	Acre	16	77	3/	3	2	160
Reorganization of Fields							
Obstruction Removal	Acre	198	3,807	692	--	--	--
Fences Changed	Mile	2	984	1	12	--	--
Shelterbelts & Windbreaks	Acre	2/	3/	--	3/	3/	5
Streambank Eros. Cont. Mgt.	"	11	670	42	12	--	37,400
Terracing	"	18	8	2	3/	--	--
Wildlife Borders	"	23	272	--	10	80	22,659
TOTALS			71,226	6,464	24,952	36,453	

- 1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.
- 2/ Less than 1,000.
- 3/ Less than 1.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities; land in farms, by four major uses; land not in farms; and approximate total land area, WISCONSIN, 1939. 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II & III	IV	V, VI & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	12,355	3,804	6,717	—	22,876
(a) Cropland 2/	8,397	2,002	1,569	—	11,968
(b) Grazing land 3/	2,306	1,043	2,017	—	5,366
(c) Woodland	1,089	533	2,496	—	4,118
(d) Other land in farms	563	226	635	—	1,424
LAND NOT IN FARMS	291	3,527	8,324	—	12,142
APPROXIMATE TOTAL LAND AREA	12,646	7,331	15,041	—	35,018

- 1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.
- 2/ Cropland includes land used for crops and idle or fallow. 1939 cropland and grazing land data were adjusted by shifting the acreage of rotation pasture from grazing land to cropland.
- 3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application, WISCONSIN, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Motor	Horse	Trees
		To Be Done	Unskilled Labor	Equip-ment	Equip-ment	Shrubs
		(1,000)	(Man Yrs)	(Yrs)	(Yrs)	Seed (Tons) (1,000)
CROPLAND						
Contour planting	Acre	5,554	—	—	—	—
Crop residue mgt.	"	777	—	—	—	—
Crop rotation	"	7,765	—	—	—	—
Rotation hay or past.	"	3,831	50	167	—	—
Strip cropping	"	3,336	—	—	—	—
Terracing	"	435	447	447	—	—
GRAZING LAND						
Fert. grazing land	"	5,882	79	263	—	—
Liming pastures	"	5,485	—	—	—	—
Mowing grazing land	"	822	216	216	—	—
Proper stocking	"	7,585	—	—	—	—
Seeding rgs. & past. plts. A.	No.	7,160	139	313	—	53,697
Stockwater development	No.	2/	11	6	—	—

(Over)

Wisconsin - Table 2 - Continued

Practices According To Land Use	Unit	Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Motor Equip-ment (Yrs)	Horse Equip-ment (Yrs)	Seed (Tons)	Trees Shrubs Plants (1,000)
WOODLAND							
Field & gully planting	Acre	529	7,609	965	—	940	598,605
Harvest cutting	"	327	409	110	—	—	—
Improvement cuttings	"	3,959	12,004	3,461	—	—	—
Reinf. of exist. woodlds.	"	564	3,652	494	162	486	86,348
Prevention of graz. dam.	"	3,686	1,199	—	—	—	—
TWO OR MORE LAND USES							
Roadside erosion control			2,551	1,308	—	1,325	—
Drainage	Acre	23	453	—	35	—	—
Fire protection	"	1,872	703	164	—	—	—
Mgt. of odd areas	"	72	818	—	—	175	35,039
Mgt. of spoilbanks	"	2	43	—	—	7	1,175
Outlets & farm watercrs.	"	540	3,462	1,862	—	6,535	—
Pond management	"	1	13	—	—	2	465
Shelterbelts and							
Windbreaks	"	5	103	11	7	—	3,074
Soil saving dams	No.	12	4,808	1,035	—	—	—
Streambank control	Acre	16	276	144	—	—	3,286
Wildlife Borders	"	84	318	—	132	376	11,382
TOTALS			39,363	10,966	336	63,543	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000.

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

Table 1. Land classified according to use capabilities, land in farms, by four major uses; land not in farms; and approximate total land area, WYOMING, 1939 1/

Land Use	Suitable for	Suitable for	Suitable for	Suitable	Total
	Continuous	Occasional	Grazing or	Only for	
	Cultivation	Cultivation	Woodland Use	Wildlife	
	Classes	Class	Classes	Class	
	I, II, & III	IV	V, VI, & VII	VIII	
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)
LAND IN FARMS	2,576	741	23,733	976	28,026
(a) Cropland <u>2/</u>	1,511	195	348	—	2,054
(b) Grazing Land <u>3/</u>	996	532	22,744	935	25,207
(c) Woodland	13	1	373	—	387
(d) Other Land in Farms	56	13	268	41	378
LAND NOT IN FARMS	70	55	29,133	3,244	32,502
APPROXIMATE TOTAL LAND					
AREA <u>4/</u>	2,646	796	52,866	4,220	60,528

1/ These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.

2/ Cropland includes land used for crops and idle or fallow.

3/ Grazing land includes plowable pasture and other land in farms used for grazing purposes.

4/ Does not include 1,875,840 acres in Yellowstone National Park.

Table 2. Conservation needs for land in farms; quantities of practices, and amounts of labor, equipment, and materials required in their application; WYOMING, 1943 (SEE FOOTNOTE 1/)

Practices According To Land Use	Unit	Remaining	Skilled &	Equip-	Seed	Trees
		To Be Done	Unskilled Labor	ment		Shrubs
		(1,000)	(Man Yrs.)	(Yrs.)	(Tons)	Plants
						(1,000)
CROPLAND						
Contour planting	Acre	269	—	—	—	—
Crop residue management	"	1,354	—	—	—	—
Diversions	Mile	6	103	103	—	—
Drainage	Acre	67	35	35	—	—
Outlets & farm water courses	"	12	30	15	115	—
Rotation hay or pasture	"	568	—	—	—	—
Shelterbelts and windbreaks	"	30	311	26	—	29,680
Strip cropping	"	372	—	—	—	—
Terracing	"	6	7	7	—	—

(over)

Wyoming - Table 2. - Continued

Practices According To Land Use		Remaining To Be Done (1,000)	Skilled & Unskilled Labor (Man Yrs)	Equipment (Yrs.)	Seed (Tons)	Trees Shrubs Plants (1,000)
Irrigation - div. dams	No.	2/	66	—	—	—
Irrigation - farm dist.	Acre	203	311	4	—	—
Irrigation - land preparation	"	109	190	95	—	—
Irrigation - main laterals	Mile	1	276	50	—	—
Irrigation - method of water application	Acre	104	—	—	—	—
Irrigation - pump from streams	No.	2/	1	—	—	—
Irrigation - storage dams	"	2/	1,079	111	—	—
Irrigation - wells	"	2/	4	1	—	—
GRAZING LAND						
Fire protection	Acre	16,124	—	—	—	—
Contour furrowing	"	515	68	68	—	—
Proper stocking	"	16,065	—	—	—	—
Rotation & deferred grazing	"	8,807	—	—	—	—
Seeding of range and pasture plants	"	335	73	73	1,673	—
Stockwater development	No.	15	837	266	—	—
Stock. dams, springs	"	12	698	233	—	—
Stockwater wells	"	3	139	33	—	—
Water spreading	Acre	300	603	402	—	—
WOODLAND						
Fire protection	"	264	2	—	—	—
Harvest & improvement cuttings	"	255	557	—	—	—
Prevention of grazing damage	"	84	—	—	—	—
TWO OR MORE LAND USES						
Pond management	"	13	50	—	—	1,270
Marsh management	"	24	45	—	59	2,356
Wildlife borders	"	6	12	3	15	1,851
Management of odd areas	"	101	199	—	101	10,111
Streambank management	"	23	55	—	—	2,282
Roadside erosion control	Mile	2	53	16	121	—
Fencing	"	1	35	—	—	—
TOTAL			5,022	1,275	2,084	

1/ Based on farm planning experience, land capability recommendations and land use acreages after cropland, not suitable for cultivation, has been converted to grazing or woodland use.

2/ Less than 1,000

NOTE These data are preliminary, tentative, and subject to revision and inclusion of additional information when available.