

GOVERNMENT OF KARNATAKA

UTILISATION PATTERN OF RESERVATION FACILITY IN B.Sc. AGRICULTURE FOR AGRICULTURISTS OR THEIR CHILDREN

MANPOWER AND EMPLOYMENT DIVISION PLANNING DEPARTMENT BANGALORE 1983 GOVERNMENT OF KARNATAKA.

UTILISATION PATTERN OF RESERVATION FACILITY IN B.Sc.AGRICULTURE FOR AGRICULTURISTS OR THEIR CHILDREN.

-

MANPOWER AND EMPLOYMENT DIVISION, PLANNING DEPARTMENT, BANGALORE. <u>1983</u>

-

ACTION PROPOSED TO BE TAKEN ON THE RECOMMENDATIONS OF TH REPORT ON "STUDY ON UTILISATION PATTERN OF RESERVATION FACILITIES IN B. Sc (Ag) FOR AGRI-CULTURISTS OR THEIR CHILDREN "

Follow up action to implement the recommendations in pages 11 to 14 is being taken, except for the recommendation on the size of holdings of the family of the students seeking admission to agricultural courses at the time of selection to be taken in to account and to obtain a bond from the beneficiary that he would go back to agriculture the after he completes/course. STUDY ON UTILISATION PATTERN OF RESERVATION FACILITIES IN B.Sc., Agri, FOR AGRICULTURISTS OR THEIR CHILDREN

1. Introduction:-

A better utilisation ^{of} facilities available for gaining knowledge and using of the knowledge so gained in increasing production in the economy as well as provision of availing services in the economy is a grucial one. A proper utilisation of the facility given leads to improvement of the performance of the economy in the particular sector-

Provision of education is a crucial input in building up a good base for economic development in agriculture. Knowledge of improved methods of agriculture application of the new techniques of cultivation go a long way in increasing the agricultural production. In the distribution of the access to facilities to gain knowledge, certain segments of the society do not get their adequate share. This is cofar persons who hails from the rural areas.

Taking note of the situation, Government of Karnataka in 1975 made a provision for 15 per cent reservation for admission to the course in the University of Agricultural Sciences for Agriculturists and their children by an ordinance. For the to purpose of the provision of the reservation facility Agriculturists means person who, is owner or tenant holds lands and whose main source of income is from personal cultivation of the land and includes any person whose principal means of livelihood is from manual labour on agricultural lands. For purposes of admission under this reservation.certain tests were prescribed namely:-

a) Ploughing over a short length and b)yoking of bullocks c) identification of Agricultural implements
d) identification of Agricultural grains e) identification of agricultural fertilisers f)identification of agricultural fruits g0 identification of agricultural sropsh) identification of agricultural veterinary/fishing equippents i) how to approach a cattle or cow for milking, j)how to alamb/sheep etc.

These tests are to be conducted by a committee constituted for this purpose.

In a recent review to consider ways and means for a better utilisation of scientific and technical personnel for Karnataka it was stated that many of the B.Sc., (A r)Graduates who secure seats in agricultural university utilising the reservation made for sons of farmers seek jobs in the organised sector particularly in urban based employment areas. In view of this it was decided that manpower and employment division of the Planning Department should carry out a study to ascertain how this reservation facility has been utilised by the sons of farmers.

2. Objectives:-

Consequently a survey was undertaken to ascertain (i) the extent to which the reservation facility has been used (ii) the pattern of utilisation of knowledge and degree gained for cultivation of land or for extension and other allied work in the acriculture or in other allied spheres and (iii) problems faced by those who are trained under the reservation facility.

Students who secured seats under the reservation quota in the agricultural college at Dharwad and Bangalore from the year 1975-76 to 1977-78 academic years were covered. The list of beneficiaries and their address at the time of admission were obtained from the University of Agricultural Sciences, for 1975-76 and 1977-78, the addresses from the Agricultural College, Dharwad were not received.

Reasons:-

A simple questionnaire was designed and were sent to 48 beneficiaries. Of this 72 filled-in-schedules were received. 2 of them were rejected. Copy of the questionnaire circulated is given/at Annexure-A

2. Findings:-

i) Decupational pattern of the beneficiaires:-

Occupational patternof beneficiaiaries under the

reservation scheme shows that 12 of them were fully engaged in Agriculture,12 partly engaged in Agriculture,19 were pursuing higher studies,13 were unemployed and 2 had not completed the course but engaged in Agriculture, at the time of survey. The details are given in table (1).

Table-1

Number of beneficiaries classified according to present status.

Present status Number of beneficiar ies fully engaged in Agriculture 12 ĴŻ 2. Partly engaged in Agriculture Employed in different organisations in Agricultural 3. 11 Sector. 4. Employed in different organisations in non-agril. sectors. ^Pursuing highér studies 19 Unemployed 13 <u>6</u>.

Not yet completed the course but engaged in agriculture.

70 lotal

Elv or Pored in comparise

0. this 12 were engaged fully in agriculture eversince their completion of the course. 6 beneficiaries were of the view that the knowledge gained in B. Sc., Agril. helped to increase the income derived from agriculture. 9 beneficiaries were of the view that the income obtained by them is less than what they would have got if they are under salaried employment. 9 of the beneficiaries were engaged in agricultural, activity in their leisure time during their studies.

Dut of the 13 beneficiaries who were partly engaged in agriculture S had no gainful activity, two of them were guiding the. farmers, 4 were searching for jobs, and two had not stated their gainful activity, of them beneficiarieswho were partly engaged in agriculture felt that their being engaged partly in agriculture was mainly because of under unemployment. One was searching for job. 4 of them had not given any reason for being partly engaged in agriculture. Out of 13 unemployed beneficiaries of the reservation two were willing to 90 back to agriculture. in the second second

... 4/-

-3-

12(17.13%) of the beneficiaries were fully engaged in agriculture. Two of them were interested in taking alternative employment. One of them felt that the yield from his land is uneconomical.Another beneficiary felt that the income derived from agriculture is to be shared by other members of his family.

(ii) Analysis of distribution of beneficiaries fully engaged in agriculture according to income.

75 per cent of the beneficiaries had an income less than . Rs.10,000/- only one out of 12 beneficiaries had an income over . Rs.25,000/- Details gie given in Table-2.

<u>Table-2</u>

Beneficiaries fully engaged in agriculture classified according to income.

S1.No. Annual Income	•	No. of beneficiary	Percentage to total
1. Upto Rs. 3,000/- 2. 3000 to 5000 3. 5000 to 10,000 4. 10,000 to 15,000 5. 15,000 to 25,000 6. Above Rs. 25,000	,	· ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	25.00 25.00 25.00 8.33 9.33 8.34
· · · · · · ·	Total:-	12	100.00

iii) Employment pattern of employed beneficiaries:-

2 beneficiaries with a land holding of 2.5 to 5 acres who were employed had not taken up agriculture because they considered that they would be underemployed. The family size of the beneficiaries were 6 and 8. In one case two members other then beneficiaries were engaged. One beneficiary who was employed had land between 5 to 10 acres did not take up the agriculture because of a labour problems. 9 beneficiaries who were employed with a land holding of above 10 acres were not fully engaged in agriculture because their land was dry land, irrigation facilities were lacking and financial problems. Details are given in Table-3.

		<u>Table-3</u>		•	
Distributic up agriculture	n of benefi and by lan	ciaries e d bolding	employed by	reasons for	onot taking
	(A	fter comp	letion of t	he course)	• •
S1.No. Land ho	-			•	•
Rang	je · · ·	Total		Emp∪	yed *
(1) (2)		(3)		(4)	
··/ ··· ···	, 			14/	
1. 8-	.1				
	-2-5	• • 5		••	•
	5-5	14		2	
•	-10	1=/	13	1	
	ove 15	37		9	
6. Nc	ot specified	. * •		* •	
Total	· · · · · · · · ·	69		12	
				ا همو دومو د هم ا ومو د ومو د و د	
7 bene	ficiaries w	ere emplo	yed in Admi	inistrative	or
-	· · · ·			-	
Executive type	∍ of jobs,4i	n the are	ea of scient	ific resear	ch and
extention serv	these and on		loved in te	oching job.	8 bensfi⊷
AV CALLATOLL SET A	Tres and du	e mas bink	110101 11 00		• • • • • • •
· · ·			•	• •	-
. •	employed in	Gavt./pr	•	. Details	are given i
ciaries were a	employed in	Gavt./pr	•	. Details	are given i
. •		•	•	. Details	are given in
ciaries were a Table-4.		• <u>Table-4</u>	ivate sector		
ciaries were a	of beneficia	• <u>Table⊶4</u> ries empl	ivate sector Loved (either	on salary	or on wages
ciaries were a Table-4. Distribution a	of beneficia by employe	Table-4 ries empl d type ar	ivate sector loyed (either nd occupatio	on salary on classific	or on wages
ciaries were a Table-4. Distribution a S1. Employed	of beneficia by employe	Table-4 ries empl d type ar	ivate sector loyed (either nd occupatio	on salary on classific	or on wages
ciaries were a Table-4. Distribution a	beneficia by employe D c c u p	Table-4 ries empl d type ar a t i o r	ivate sector loyed (either nd occupatio	on salary on classific	or on wages ation.
ciaries were a Table-4. Distribution a S1. Employed	of beneficia by employe D c c u p Admin-	Table-4 ries empl d type ar a t i o r Scient-	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages ation.
ciaries were a Table-4. Distribution a S1. Employed	of beneficia by employe D c c u p Admin- istrative	Table-4 ries empl d type ar a t i o r Scient-	ivate sector loyed (either nd occupatio	on salary on classific affication ch- not spec	or on wages ation.
ciaries were a Table-4. Distribution a S1. Employed	of beneficia by employe D c c u p Admin- istrative	Table-4 ries empl d type ar a t i o r Scient- ific research and ext-	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages, ation.
ciaries were a Table-4. Distribution a S1. Employed	of beneficia by employe D c c u p Admin- istrative and	Table-4 ries empl d type ar a t i o r Scient- ific research	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages, ation.
ciaries were a Table-4. Distribution a S1. Employed	by employe by employe D c c u p Admin- istrative and executive	Table-4 ries empl d type ar a t i o r Scient- ific research and ext-	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages, ation.
ciaries were a Table-4. Distribution a S1. Employed	of beneficia by employe D c c u p Admin- istrative and	Table-4 ries empl d type ar a t i o r Scient- ific research and ext-	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages ation.
ciaries were a Table-4. Distribution a S1. Employed	of beneficia by employe D c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext-	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages, ation.
ciaries were a Table-4. Distribution o S1. Employed No. Type 1 2 1. University of Agricul.	of beneficia by employe D c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext-	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages, ation.
ciaries were a Table-4. Distribution a SI. Employed No. Type 1 2 1. University of Agricul- tural Scien	of beneficia by employe D c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext- ension 4	ivate sector loyed (either nd occupation n a l class Cleri- Teac cal inc 5 6	on salary on classific affication ch- not spec	or on wages ation. ified Tot: 8
ciaries were a Table-4. Distribution o S1. Employed No. Type 1 2 1. University of Agricul- tural Scien College	of beneficia by employe D c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext-	ivate sector Loyed (either nd occupation n a 1 class Cleri- Teac	on salary on classific affication ch- not spec	or on wages, ation.
ciaries were a Table-4. Distribution o S1. Employed No. Type 1 2 1. University of Agricul- tural Scien College 2. Karnataka	of beneficia by employe O c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext- ension 4	ivate sector loyed (either nd occupation n a l class Cleri- Teac cal inc 5 6	on salary on classific affication ch- not spec	or on wages ation. ified Tota 8
ciaries were a Table-4. Distribution o S1. Employed No. Type 1 2 1. University of Agricul- tural Scient College 2. Karnataka State Seed	of beneficia by employe D c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext- ension 4	ivate sector loyed (either nd occupation n a l class Cleri- Teac cal inc 5 6	on salary on classific affication ch- not spec	or on wages ation. ified Tota 8
ciaries were a Table-4. Distribution o S1. Employed No. Type 1 2 1. University of Agricul- tural Scien College 2. Karnataka	of beneficia by employe D c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext- ension 4	ivate sector loyed (either nd occupation n a l class Cleri- Teac cal inc 5 6	on salary on classific affication ch- not spec	or on wages ation. ified Tota 3
ciaries were a Table-4. Distribution o S1. Employed No. Type 1 2 1. University of Agricul- tural Scient College 2. Karnataka State Seed	of beneficia by employe D c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext- ension 4	ivate sector loyed (either nd occupation n a l class Cleri- Teac cal inc 5 6	on salary on classific affication ch- not spec	or on wages ation. ified Tota 8
ciaries were a Table-4. Distribution of Sl. Employed No. Type 1 2 1. University of Agricul- tural Scien College 2. Karnataka State Seed Corporation	of beneficia by employe 0 c c u p Admin- istrative and executive 3	Table-4 ries empl d type ar a t i o r Scient- ific research and ext- ension 4	ivate sector loyed (either nd occupation n a l class Cleri- Teac cal inc 5 6	on salary on classific affication ch- not spec	or on wages, ation. ified Tota 3

8 of the beneficiaries employed at the time of the survey were engaged partly in agriculture and guiding for better yields during the waiting period. 3 of them were trying for a job only.

...6/-

<u>Table-5</u>

Distribution of beneficiaries employed by nature of activity during the waiting period for securing employment. Sl.No. Nature of activity Number (1)(3) (2) Engaged partly in agriculture and guiding a. for the better yields b. Immediately got the job c. Trying for jobs only Total:-12 iv) Analysis of distribution of employed beneficiaries by type of organisation in which employed field of employment and monthly emoluments. 10 beneficiaries at the time of survey earning a salary of R. 501 to R. 1000/- Of this 3 beneficiaries each were working in agriculture in state Gove/nment/local body and Govt.undertakings Central/State respectively. Two beneficiaries each were in private sector in agriculture and non-agricultural areas; One beneficiary Was drawing a salary of more than R. 1000/- and was working in a bank. Details are given in table-6. <u>Table⊷5</u> Distribution of employed beneficiaries by type of organisation in which employed, field of employment and monthly emoluments: SL. Type of Field of monthly emoluments range No. Organisation employment - -employed. 501- 1001- Above . Total . 500 1000 2008 2000 L. Central a)Agriculture... Government to mon-agribulture. Total:-2. State a Agriculture .. 3 3 Government/b)non-agrilocal bodies culture . . Total:-3. 5,

1 2 3 5 6 8 3. Bank a)Agriculture 2 1 1 b)Non-agriculture. Total:-2 4. Government a)Agriculundertakings ture Central/State)non-agri-3 3 . . culture Total: 3 5. Private a)Agriculture. 2 2 1.4 b)non-agriculture. 2 2 Total Δ Δ 6. Not specified a)Agriculture b)non-agriculture. Totala-Total:- a)Agriculture 8 10 1 b)non-agriculture 2 2 1 10 Total: 12 1

v) Pattern of unemployed beneficiaries:-

7 beneficiaries were unemployed upto one year despite efforts made to sedure employment by Bank examination, I. T. S. examination, Private firms/Co-operative Sugar Factory,Deptt. of Agriculture. Most of x. : as these are urban based employment. 4 of them were unemployed for 1 to 2 years. 2 of them were unemployed for two to 3 years.

vi) Analysis of beneficiaries by size of land holdings and number of other members of household depending on land:-

....8/Rs

At the time of selection to the course all the families of the beneficiaries had land. However, at the time of present survey one famil, reported that they did not have any land. Distribution of beneficiaries by land holdings at the time of selection to the sourse

-7-

 $\sim J$

and at the time of survey is given in table-7.

Table-7

Size of holdings by family size.

-B-

SL. No.	size of holding (in acres)	Number of famil at the time of selection	ies holding land at the time of survey	 -
1 	upto 1.00 1.01 to 2.50 2.51 to 5.00 5.01 to 10.00 10.01 and above	5(7.14) 14(20.00) 17(24.29) 34(48.57)	5(7.25) 14(20.29) 13(18.84) 37(53.62)	• •• •• ••
1	Total	:- 70(100.00)	69(100.00)	

(Figures in brackets indicate percentage to total)

Families of the beneficiaries who had land above 10.01 acres at the time of selection was 34(49% of the total families) and this registered an increase to 54 per centage at the time of survey. 5 beneficiaries (7 per cent) had land less than 2.5 acres 31(44 per cent) had land between 2.51 acres to 10 acres at the time of selection which declined to 27(39 per cent) at the time of the survey. A family of one beneficiary had sold the land by the time the ceneficiary completed the course.

66 beneficiaries (94.02%) had dry land at the time of selection where as 62 beneficiaries (89.86%) had dry land after completion of the course. The dry land holding by the beneficiaries has registered a decline. 39 beneficiaries (55.21% of the total) were having land. It is irrigated by other sources like tanks and wells at the time of selection where as 42 beneficiaries (60.87%) had irrigated land with tanks and other sources of irrigation. More namilies have taken up irrigation of their lands by tanks or wells after completion of the course by the beneficiaries. The number of families whose holdings were irrigated by canls has remained unchanged. 23 families of beneficiaries were having land under ...9/ garden/plantation. Holdingwise distribution of families by type of land held at the time of the selection to the course and at the time of survey is given in Annexure-1.

To utilise the knowledge gained in the course on land it is not only necessary for the beneficiary to hold land but also the number of family members of the household who are depending upon the land for their livelihood be within a reasonable limit. In families of 8 beneficiaries family size are 3 to 5 and 1 to 3 persons other than the beneficiary were engaged in agriculture. Among 43 beneficiaries families the size of the household was : 6 to 9. ine 2 persons other than the --Of this in 4 families beneficiaries were depending upon agriculture, in 21 beneficiaries families 2 to 3 persons other than the beneficiaries engaged in agriculture and in 15 families 4 to 7 members other than the beneficiary were engaged in agriculture. In 3 beneficiaries families above 7 persons other than the beneficiary were emggaged in agriculture. In 18 beneficiary families the household size was 10 and above. In 5 families 2 to 3 persons other than the beneficiary were engaged in agriculture and in 8 beneficiaries families 4 to 7 persons other than the beneficiary were engaged in agriculture. In 4 beneficiaries families above 7 persons other than the beneficiary were engaged in agriculture. More number of families other than the beneficiaries are dependent upon agriculture for their livelihood. Details are given in table-8.

... 10/-

⊷9⊶

```
-10- .
```

Table-8

Families classified according to numberof other household members engaged in agriculture by house-hold size.

		pers oth ating in		the bene lture	ficiary
House hold size	Nil 1	2-3	4-7	above 7	total
(1)	(2) (:	3) (4)	(5)	(6)	(7)
Upto 3 members	· · ·	• • • •		••	••
4 to 5 members	· 2	2 6	••	••	8
6 to 9 members	`•• 4	4 21	15	3	43
10 and above	-10-	1 5	8	4	18
Total:-		<u>7 3</u> 2	23	7	69
Famili s Slassified	thef		<u>number</u> o	f other h	nuguhali

members any of the findings house held size.

An analysis of the utilisation of reservation for Agricultural Graduates in 8. Sc. Age reveats thathardly 34 per cent Qf the beneficiaries had taken to their oun cultivation fully for agriculture nearly 50 per cent were interested in switching over to Vēta 3 memtutes The beneficiaries who were unemployed urban based employment. 4 to 5 marners $\mathbf{2}$ 5 6 th 7 All months Even among beneficiaries who are pursuing based organisation. 10 and above higher_education_it is_doubtful as to whether many of them_would___ go for our cultivation or fully engaged themselves in Agrcicolture. س هم س بي بي بي س من س من س بي بي بي بي ب A major contributary factor for this situation is that about 80 persons of the beneficiaries who were engaged fully in agriculture had an income less than & 5,000/- Apart from the income the other contributary factor for seeking urban based jobs seems to be the - mental-attitude of the beneficiaries to prefer a salaried urban hased job as it provides security a some of the beneficier is one have also stated that they would have earned more had they

taken up salaried employment and only a few of them have admitted that the knowledge gained by them has helped them to increase their income by engaging themselves in Agriculture.

3. <u>Recommendations:</u>-

The objective of providing for reservation facility for agriculturists orsons of the agriculturists for reservation of seats in B. Sc., Ag., course is to see that the recent innovations in the area of research and extension in agriculture to increase the yield would be made use of to increase agricultural production. Moreover the wage employment that can be generated for unemployed in Karnataka would hardly be on an average 10-12 per cent. Taking into account the magnitude of the unemployment among the educated and the need to provide for adequate means of income and livelihood it isnecessary to see more and more people trained in the course particularly those who are admitted under the reservation facility . go back to agriculture and use their knowledge so gained on their own land. To provide for a reasonable income for the beneficiary on the landit is necessary that certain subsidiary occupations in addition to agriculture being taken up needs to be encouraged. The possible areas of operation are establishment of Agro Services Sentres, Dairying, Poultry, Establishment of Fair Price Shops wherever they are residing and agricultural clinics. This should be in addition to cultivation of their own land.

Establishment of Agro Service Centres in rural areas where there is need of providing for services for Agricultural machinery will not only help the farmers of the area to complete their agricultural operation in time but also help the agricultural graduates to earn their living. In all each Agro Services Centre generate employment to six persons apart from the agricultural graduate who would be in addition cultivating_his_own_land. This would not only help him in providing the services to his own land but also to land of other farmers in his town and neighbouring

... 12/-

-11-

Fertiliser distribution centre combined with agro service centre would be quite useful. This is so because almost all the co-operative societies have their selling points in rural areas. Most of the fertiliser companies have also their selling agencies distributed all over the State. Agro-Industries Corporation have also their agro-kendras at taluk levels. Selling of fertilisers can be taken up as part of Agro service centres. The income that one can expect from Agro-service Centres, combined b this way would be No.15,000/- to No.16,000/- per year yielding a retur of about 12 per cent over the investment.

However agricultural machinery like tractors and others are also owned by private individuals. This also require regular servicing and repairing facilities at their nearest Agro-industries Corporation has also opened agro service Doints. centres for hiring out farm equipments and sales of agricultural In view of this there seems to be scope for starting inputs. up of workshop-cum-agro service centres, in combination with fertiliser distribution. In addition an agricultural graduate can profitably take to establishment of workshop for the manufacture of carts, assembling of bullock-carts and other related items of repairs which are of use to the farmers like repairs of sprayers, mould board plough cultivator, seek cum fertiliser drill, body ridger with marker, sprayers and testers, spare parts, hydraulic trolly jack etc. Thus the scope of this area would be restricted to provision of package of services to the agricultural graduate who is cultivating his own land and also to others in the area. This can best be done by the agricultural graduate alone because of the specialized-training given-by-the state to him at a very heavy expense to the State Exchequer. The land

required for maintenance of repairs and service is minimal. This type of centres can be opened in a cluster of 8 villages on the basis of number of tractors in the Cluster. This would not only accelerate the process of agricultural development but also maintain the agricultural graduate with adequate income as a proud entrepreneur and a number of other unskilled labourers which is again a process of employment creation with solid assets for the State's economy as a whole.

Similarly subsidiary occupations like dairying establishmen of fair price shops and poultry development can be used to generate additional income. Intensive cultivation of crops, particularly hig. yielding and hybrid varieties necessitates appropriate plant protection measures due to constant cropping and the consequent build up of diseases. The farmers in rural areas generally depend up on the agricultural extension agancy for advice in respect of plant protection measuresand they purchase plant protection chemicals from the market. Invariably they do not get the required advice nor the service of the plant protection equipment and supply of chemicals in time as they will be available only in towns and cities. Agricultural graduates who are doing own cultivation could establish agricultural clinics where plant protection equipment could be hired out to the farmers. They could also dvice the farmers on the plant protection measures that could be taken up and the chemicals to be used. These agricultural clinics may undertake repairs of plant protection equipment and supply pesticides and insecticides. An Agricultural clinic will have a capacity to cover an area of about 12 hectares per day of 8 working hours. This unit could be set up in a hired building consisting of two rooms of which one could be used as a store or godown. Income from each centre will be approximately Rs. 14,878/- Each centre is likely to

... 14/-

-13-

provide employment for 24 persons excluding the agricultural graduate. The location of these clinics has to be determined based on the needs of the various areas in the State and the type of soil and diseases prevailing. It is therefore necessary for the Department of Agriculture and Agro Industries Corporation to assist the agricultural graduate who is willing to cultivate his own land in getting additional income.

As a long term measure it is also necessary to modify the provision of reservation for admission to take into account the size of the land with the agriculturists or the sons of the agriculturists held by thefamily at the time of admission before admission isgiven to the course. Provision has to be made to get a bond from the student admitted under the reservation provision giving an undertaking that he would go back to theirown land without which they are not eligible for admission to the course and would not seek a salaried job. Unless these steps are taken immediately it would only mean that more number of agricultural graduates would be after salaried jobs which is limited in its availability. This creates more number of qualified people who are unemployed and are on the look out for urban based salaried job.

./-

.-14-

Distribution of beneficiaries by type of land and size of holders (at the time of selection) S1.No. Type of land 01 1.01-28582.51-5.00 5:01-18.00 over 1000 N. S Total . . **.** . Δ : 2 3 5 2 8 Dry land 11 act 5. 16 34 66 (94.02) . .1. 2. Land irrigated by canals 5 1. 2 . and a n in in 13 5 (18.57) . 3. Land irrigated by other source like tankswells 39 21 (55.71) 4. Land under garden/plantalt-ation 4 (32.86) .

<u>ANNEXURE-1</u>

ANNEXURE-1(b)

Distribution of hemeficiaries by type of land and size holdings (after completion of the course) Type of the Land 0-1 1-250 2.51-5.00 5.07-11.00 above 10.01 N.S. S1. No. 3 8 •• Dry land 11 37 62 (89,86) 2. Land irrigated by 1 6 2 13 canals (18.84) Land irrigated by other sources like. 2 7 42 (60.87) 26 tanks and wells ** Land under garden/ 16 23 3 plantation (33.33)

SURVEY TO ASSESS THE UTILISATION PATTERN OF RESERVATION FACILITY IN B.Sc., AGRICULTURE FOR AGRICULTURISTS OR THEIR CHILDREN.

Q U E S T I O N N A I R E

- 1. Name.
- 2. Age in completed years as on 1-1-1982.
- 3. Present address
- Qualification with subjects of specialisation if any.
- 5. Were you admitted into the B.Sc., (agri) course under the 15% reservation made for agriculturists or their children?
- 6. What was the means of livelihood Cultivation/Agriculof you/your family at the time of your selection into the course?

O

- 7. If cultivation, was it as a owner or tenant?
 - 8. Extent of agricultural land held by your family.

. . .

· .

Agricultural land possessed (acres)

Yes/No

Type of Land	at the time of selection	your	שסת
1	2	•	<u>ु</u> उ
1) Dry Land	э		
ii) Land Irrigated by	canals		•
iii) Land irrigated by source like tanks	other and wells.		
iv) ¹ and under garden	or plantations		
V) Gross tand posses			
	,		
	· ·		2

-: 2 :-9. Present Household size Male Female Total 10, How many members of your family are actively engaged in agriculture? (excluding yourself). PARTICULARS OF THE COURSE BLOCK - B. 1. Year of joining the B. Sc., (Agri) Course. 2. Year of Completion Ż., Did you complete the course Yes/No in the normal time prescribed? If no, to the above question, extra time, in years, taken 4. fur completion 5. ^Class secured by you in the course 8 Present Status What is your present occupational Status? Engaged fully in agriculture/ Engaged partly in agriculture/ Gremployed/self employed in nor-agricultural field/ employed. LOCK 4 C - I If fully engaged in agriculture (1) Have you been engaged in that. occupation ever since you completed the course? (11) What is the net annual average income derived from agriculture?. (iii) Do you feel that but for the knowledge you have gained in B.Sc., agriculture yourse you would not have earned the ancome stated above? Yes/No (iv) is the income earned by you less than the salary you would have got, had you opted for salaried employment? Yes/No (v) Were you engaged in agricultural acti-

-	-: 3 :-	
<u>C - II</u>	•	-
(i)	If you only partly engaged in agricultur what is/ere your other gainful activitie	°⊖ 33 ?
(11)	What is the reason for your being engage in agriculture only partly?	d
(iii)	Do you still intend to go back to agriculture?	Yes/No
<u> </u>	<u> </u>	• •
•	[}] f not engaged in agriculture either partly or fully but unemployed?	
(1)	How long have you been unemployed?	·
(11)	What efforts have you made to obtain employment?	
. (iii)	Did you attempt any self-employment venture?	and the second se
<u> </u>	If self employed in Non-Agriculture	
(1)	What is the nature of the enterprise operated by you ?	
(11)	Address and location of the enterprise	
(111-)	Net monthly income derived from the enterprise.	Rs. Ps
(iv)	Reasons for resorting to self- employment	
· · · (v)	Would you still go back to the agricultural Profession?	- Yeş∕No
		and a second
	•	• 4

£ If employed (sither on salary or on wages) ; a) Name of the employer/organisation in which employed. • b) Address of the organisation Ξ., c) Nature of duties performed • ۰. a . . . d) Is the field of employment agriculture or non-agriculture? . ÷ 4 \mathbf{N}_{i} a) Monthly adlary/emoluments f) What are the reasons for not taking 13 up agricultume? 15 g) What was your activity during the interval of completing the course ر: till securing of employment? 1.1 лų. Сų. 4 Ť. Signature of the Respondent. Place: 1 . Data 1