-:-	APPENDIX	w- ;

APPENDIX

IMPACT OF IRRIGATION ON CROP PRODUCTIVITY IN

WAI TALUKA (SATARA DISTRICT)

		Sc	hedule	For Cultiva	tors		Sr.No.
±-=	:-====================================			****			
1.	Iden	tification :					
	1) N	am e		Age	Yrs.		
	2) V	illag e		Taluka			
	3) F	amily inform	ation				
,	Sr. No.	Name		Relation	Educa- tion	Occupa- tion	Income Rs.
	1			,			
	2						
	3					;	
	4					·	
	4)	Land owned				W-14	
	Sr.	Туре		Owned Lens	ed Frage	er of ments	Total
	1	Well irriga	ted				
	2	Canal "					
	3	Lift "					
	4	Unirrigated	3				
	5	Fallow/Wast	ce				
	-	Total					in one our are the upp use the time and an

5) Principal crops / yield A - 1970-71

Sr.	Crop	Area un	der each crop	in ha/ac	Yield hect.	Total produ-
No.	_	Irri.	Unirrigated	Total	kg.	ction
1	Sugarcane					
2	Rice					
3	Jowar					
4	Wheat					
5	Groundnut					
6	Pulses					
7	Potato					
8	Spices/Con- diments					
9	Fruits/Vege- tables					
10						•

B - 1985-86

- 1 Sugarcane
- 2 Rice
- 3 Jowar
- 4 Wheat
- 5 Groundnut
- 6 Pulses
- 7 Potato
- 8 Spices/Condiments
- 9) Fruits/Vegetables

- 2. Fertilizer use
 - 1) Do you use chemical fertilizers ? Yes/No
 - 2) Types of chemical fertilizers using
 - **i)**

ii)

iii)

- 3) Course of fertilizer supply
 - i) Co-operative society
 - ii) Agro-service centre
 - iii) Sugar factory supply service
 - iv) Private traders
 - v) Others
- 4) Do you use organic manure? Yes/No

 If Yes, how much? Quantity/ha/ac in kg.
 - 5) Frequency of fertilizer use

Sr.No.	Crop	Frequency of fertilizer application
1	Sugarcane	
2	Rice	
3	Jowar	
4	Wheat	
5		

- 6) (a) Do you know about standard requirement of fertilizers to each crop? Y/N/O
 - (b) Source of information
 - (c) Do you apply this in your field ? Yes / No
 - (d) Do you know the nutrient availability in fertilizers? Yes / No
- 7) Pesticide / Insecticide use:

Sr.No.	Crop	Pesticide/Insecticide	Per hect/Acre Quantity
1			
2			

3. Ir	rigation water use
(a)	Do you own lift irrigation scheme ? Yes / No
(b)	Are you a member of co-operative lift irrigation ? Y/N
c)	Do you know about the standard water requirement of
	crops ? If Yes, source of information -
	Do you follow this ? Yes/No
d)	Do you think that more water use increases production
	Yes/ No How ?
_e)	Do you get irrigation water for your crop as and when
•	required ?
f)	Duration of consecutive irrigation days
g)	Method of irrigation used: Mark (y)
	(1) Floow () (2) Border () (3) Furrow ()
	(4) Garage () 46) Garage () (6) Del ()
	(4) S orrugation () { 5) Sprinkle () (6) Drip ()
	(7) Any other local - mention the names :-
h)	
h)	(7) Any other local - mention the names :-
•	(7) Any other local - mention the names :-
•	(7) Any other local - mention the names :- Source of Irrigation Sr. Source - Area in hectare/Acre
•	(7) Any other local - mention the names :- Source of Irrigation Sr. Source Area in hectare/Acre Owned Leased Total
•	(7) Any other local - mention the names :- Source of Irrigation Sr. Source Area in hectare/Acre Owned Leased Total 1 Canal Irrigation
•	(7) Any other local - mention the names :- Source of Irrigation Sr. Source Area in hectare/Acre Owned Leased Total 1 Canal Irrigation Private
•	(7) Any other local - mention the names :- Source of Irrigation Sr. Source Area in hectare/Acre Owned Leased Total 1 Canal Irrigation Private Government 2 Well Irrigation Owned
•	(7) Any other local - mention the names :- Source of Irrigation Sr. Source
•	(7) Any other local - mention the names:- Source of Irrigation Sr. Source Area in hectare/Acre No. Owned Leased Total 1 Canal Irrigation Private Government 2 Well Irrigation Owned Leased Rented
•	(7) Any other local - mention the names :- Source of Irrigation Sr. Source

	i)	Do you apply well irrigation ? Yes/No
		If Yes - Number of wells area irrigated ha/ac
		Depth of watertable in the well
		Rainy M Summer M Average M
		Duration of water availability months ?
		Average watertable for last 10 years feet/metre
	j)	Is there waterlogged area ? Yes/No
0		If Yes, How much ha/ac
		Location of waterlogged area (y')
		i) Canal irrigation area
		ii) Vicinity of river
		iii) Well irrigation area
		iv) Other
		Reasons of waterlogging -
\		Reasons of waterlogging -
4.	Agı	ricultural awareness
4.	-	you know about following agricultural innovations ?
4.	-	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it?
4.	Do Sr.	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Correct Incorrect
4.	Do Sr. No.	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing
4.	Do Sr.	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing Compost making
4.	Do Sr. No.	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing
4.	Do Sr. No.	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing Compost making Green manuring
4.	Do Sr. No. 1 2 3 4	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing Compost making Green manuring Mixed fertilizers
4.	Do Sr. No. 1 2 3 4 5	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing Compost making Green manuring Mixed fertilizers Improved seeds
4.	Do Sr. No. 1 2 3 4 5 6	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing Compost making Green manuring Mixed fertilizers Improved seeds Seed treatment Pesticides/Inse-
4.	Do Sr. No. 1 2 3 4 5 6 7 8 9	you know about following agricultural innovations? Agri.Innovation Y/N When used If yes what is it? Year Correct Incorrect Soil testing Compost making Green manuring Mixed fertilizers Improved seeds Seed treatment Pesticides/Insecticides Improved implements Micro nutrients
4.	Do Sr. No. 1 2 3 4 5 6 7 8	you know about following agricultural innovations? Agri.Innovation Y/N When used If Yes what is it? Soil testing Compost making Green manuring Mixed fertilizers Improved seeds Seed treatment Pesticides/Insecticides Improved implements





PLATE 1 Cracks in the Right Bank Canal at Wai, near Dhom Colony

CARRA BALASAHER KHARDEKAR LIBRAD

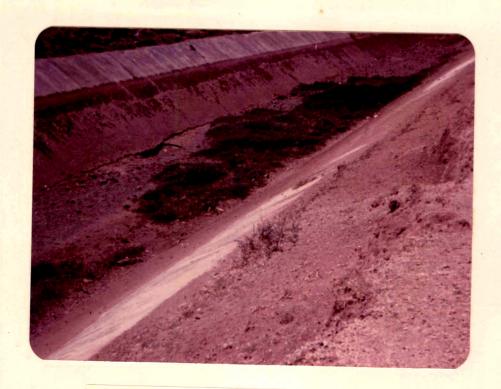


PLATE 2-A Grass in canal



PLATE 2-B Cattles in canal

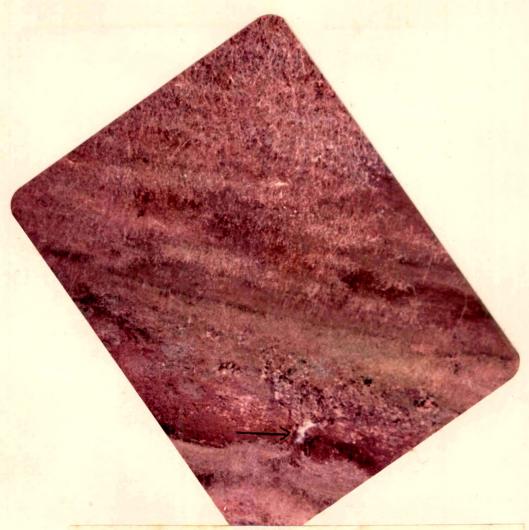


PLATE 3-A Water likage at village Khanapur



PLATE 3-B Waterlogged area at village Menavali

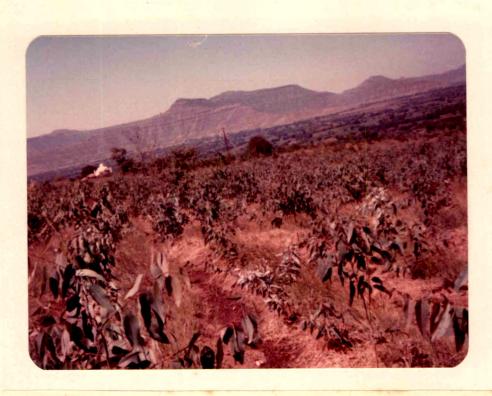


PLATE 4-A Nilgiri cultivation at village Asale



PLATE 4-B Sugarcane and wheat cultivation in canal irrigated area at village Ozarde



PLATE 6-A Teak cultivation in canal irrigated area at village Bhuing



PLATE 6-B Teak cultivation at Phulenagar

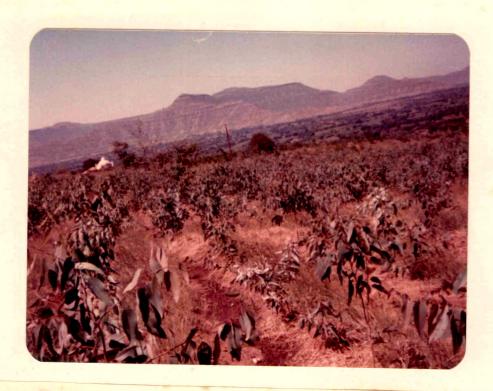


PLATE 4-A Nilgiri cultivation at village Asale



PLATE 4-B Sugarcane and wheat cultivation in canal irrigated area at village Ozarde



PLATE 5-A Horticulture at village Asale in canal irrigated area



PLATE 5-B Spices (Dalchini)



PLATE 6-A Teak cultivation in canal irrigated area at village Bhuing



PLATE 6-B Teak cultivation at Phulenagar