

CROP PRODUCTION

FOUNDATION FOR AGRARIAN STUDIES

2015

All rights reserved.

The trustees of the Foundation for Agrarian Studies grant the Foundation permission to publish, but retain copyright of their manuscripts. The Foundation for Agrarian Studies applies a Creative Commons licensing structure known as an Attribution-NonCommercial-No Derivative Works 3.0 license for the Schedule for Census of Households and Income Calculation Manual.

Under the terms of this framework, anyone is free to share, that is, to copy, distribute and transmit the work under the following conditions:

Attribution — You must attribute the work in the manner specified by the author or licensor. (but not in any way that suggests that they endorse you or your use of the work)

Noncommercial — You may not use this work for commercial purposes.

No Derivative Works — You may not alter, transform, or build upon this work.

With the understanding that:

Waiver — Any of the above conditions can be waived if you get permission from the copyright holder.

Public Domain — Where the work or any of its elements is in the public domain under applicable law, that status is in no way affected by the license.

Other Rights — In no way are any of the following rights affected by the license:

- Your fair dealing or fair use rights, or other applicable copyright exceptions and limitations;
- The author's moral rights;
- Rights other persons may have either in the work itself or in how the work is used, such as publicity or privacy rights.

Notice — For further details of legal rights on this copyright agreement, you may refer to http://creativecommons.org/licenses/by-nc-nd/3.0/ and the relevant links therefrom.

First published in India 2015.

Foundation for Agrarian Studies Contact mail: agrarian_studies@vsnl.net

S.N		Operation_code_fir	Operation_code_seco	-	Operation_code_four	
O	Village	st_digit	nd_digit	d_digit	th_digit	Description
1	General	1	0	0	0	Land preparation
2	General	1	1	0		Ploughing
						Ploughing with
3	General	1	1	1		animals
						Dry ploughing with
4	General	1	1	60° 1	1	animals
_				De Moi	47775	Wet ploughing with
5	General	1	1		2	animal
	0 1	4	10	Who Is		Ploughing with
6	General	I	1	2	0	tractor
7	General	1			1	Dry ploughing with
7	General	Ī			1	tractor Wet ploughing with
8	General	1		2	2	tractor
O	General	1		4	4	Ploughing with
9	General	1		3	0	hand tractor
10	General	CONT	2	0	0	Clearing the field
11	General	1	3	0	0	Levelling
11	Octiciai	Adtro 10	L. A. A. A.	U	U	Levelling with
						animals/pressing
						the soil with
12	General	() () () () () ()	3	1	0	animals
						Levelling with
						tractor/pressing the
13	General	5	3	2	0	soil with tractor
						Construction and
						maintenance of
						field bunds,
14	General	1	4	0	0	channels, basins

						and furrows
						Construction and
						maintenance of
15	General	1	4	1	0	bunds
						Construction and
						maintenance of
16	General	1	4	2	0	irrigation basins
						Construction and
						maintenance of
						irrigation channels,
17	General	1	4	3	0	clearing channels
						Construction and
						maintenance of
18	General	1	4 01/10	4	0	furrows
						Construction and
						maintenances of
19	General	1	4	9	1	basins and furrows
						Irrigation and
						drainage at the time
20	General	1	5	0	0	of land preparation
						Irrigation at the
						time of land
21	General	1	5	1	0	preparation
						Drainage at the
		FON A ON ALL	_	_	_	time of land
22	General	01-110	5	2	0	preparation
		73610			0	Applying
23	General		6	0	0	manure/fertiliser
						Applying manure
24		4		4	0	(mixing soil &
24	General	1	6	1	Ü	dung)
25		1		2	0	Applying chemical
25	General	1	6	2		fertilisers
26	General	1	6	8	1	Applying

						vermicompost
27	General	1	8	1	0	Fencing
						Digging the
						pits/gutters for
28	General	1	8	2	0	planting
						Lining gutters with
						leaves & filling them with manure
29	General	1	8	3	0	& earth
30	General	1	8	4	0	Building bowers
30	General	•	O	for which	O	Sowing/transplanti
						ng (subsidiary
						operation: applying
						manure/applying
31	General	2	0	0	0	fertiliser)
2.2		illin .		CIO	0	Preparation of
32	General	2		0	0	nursery
33	General	2		1	0	Land preparation and basal manuring
34	General	2	1	1	1	Land preparation
34	General			1	1	Basal
						manuring/applying
35	General	2	1	1	2	fertiliser
36	General		1	2	0	Sowing in nursery
						Making bundles and
						transporting
37	General	2	1	3	0	seedlings/saplings
38	General	2	1	4	0	Irrigation in nursery
39	General	2	2	0	0	Transplanting
40			2	0	0	Direct sowing in
40	General	2	3	0	0	field Draparation of sood
41	General	2	3	1	0	Preparation of seed material
+1	Octicial	۷.	5	1	U	matchai

						Sowing by hands
42	General	2	3	2	0	(broadcasting)
						Sowing by hands
43	General	2	3	3	0	(row sowing)
		_		III		Sowing with
44	General	2	3	4	0	animals
45	General	2	3	5	0	Sowing with tractor
4.6	0 1	2	2			Planting
46	General	2	3	6	$\frac{1}{2}$ 0	saplings/dogridge
47	General	2	3	7 333	0	Grafting
48	General	2	3	8	1	Replanting
40	C 1	2	2	The Assert	2	Making grape
49	General	2	3	8	2	cutting
						Covering the pits/gutters/furrow
50	General	2	8	1/2 4/1/0	0	s after sowing
30	General	2		1	O	Intercultural
						irrigation and
						drainage (subsidiary
						operation: applying
51	General	3	0	0	0	fertiliser)
						Intercultural
52	General	3	1	0	0	irrigation
						Intercultural
53	General	3	2	0	0	drainage
						Setting up and
						operating irrigation
Г 4			2	0	0	and drainage
54	General	3	3	0	0	equipment Weeding (excluding
						application of
55	General	4	0	0	0	weedicides)
56	General	Д	1	0	0	Weeding by hand
50	General	7	1	U	U	weeding by mand

						Weeding with hand
57	General	4	2	0	0	implements
						Weeding with
58	General	4	3	0	0	animals
59	General	4	4	0	0	Weeding by tractor
						Other inter-cultural
60	General	5	0	0	0	operations
						Spraying plant
						protection
						chemicals
						(pesticides,
						weedicides,
61	General	5	1	0	0	fungicides, etc.)
						Inter-cultural
						application of
62	General	5	2	0	0	fertiliser/manure
						Working earth
63	General	5	3	0	0	around the plant
						Tying the
						plants/putting
64	General	5	4	0	0	props
	1 000					Removing dry
65	General	5	5	0	0	leaves
66	General	5	6	0	0	Guarding crops
						Removing extra
67	General	5	8	1	0	plants
68	General	5	8	2	0	Pruning
69	General	5	8	3	0	Cutting side suckers
						Plant maintenance
						for dogridge
70	General	5	8	4	0	(saplings)
71	General	5	8	5	0	Recutting
72	General	6	0	0	0	Harvest and post-
						-

73 74	General General	6 6	1 1	0	0 0	Harvesting (subsidiary tasks: making bundles, drying, guarding the crop) Manual picking Harvesting with hand implements/Cuttin
75	General	6	1 (101)	2	0	g grape bunches with scissors
						Harvesting with
76	General	6	Town 1	3	0	animals
77			2 012 11		0	Harvesting with
7.7	General	6	172 CID	4	0	tractor/machine Harvesting with
78	General	6	1	5	0	combine harvester
, ,						Uprooting the
79	General	6	11	6	0	plants
0.0	60 1		71-	0	4	Cutting the stalkers
80	General	0	1	8	1	from bottom Breaking off the top
81	General	6 6 4	1	8	2.	of the stalker
0 -	BOWN ON	416-	_		_	Harvesting straw
82	General	6	1	8	3	with reaper
83	General	6	2	0	0	Making bundles
84	General	6	3	0	0	Drying the crop
						Separation of main product from by products (subsidiary operations: drying,
85	General	6	4	0	0	making bundles)

harvest operations

86	General	6	4	1	0	Threshing by hands Threshing with
87	General	6	4	2	0	animals
						Threshing with
88	General	6	4	3	0	machine
89	General	6	4	4	0	Retting
90	General	6	4	5	0	Winnowing
						Shelling/Removing
91	General	6	4	8	1 1	corn from cob
92	General	6	5	0 3/3/3	0	Clearing the field
						Burning crop
93	General	6	5	1	0	remains on the field
						Shredding and
						spreading crop
						remains on the
						field/destructive
94	General	6	5	2	0	ploughing
						Removing crop
						remains from the
95	General	6	5	3	0	field
						Removing crop
		The Chair	The state of the s	_		remains from the
96	General	900, 6	5	3	1	field by hand
						Removing crop
0.7	0 1	460, 010	F		2	remains from the
97	General	6	5	3	2	field by animal
						Removing crop
0.0			r	2	2	remains from the
98	General	6	5	3	3	field by tractor
99	General	6	5	4	0	Gleaning
100				0	0	Loading and
100	General	6	6	0	0	transporting
101	General	6	6	1	0	Loading and

						transporting the
						main product
						Loading and
						transporting straw
						and other by
102	General	6	6	2	0	products
						Loading and
					j,	transporting of
103	General	6	6	3	0	inputs
404			N		0	Storing grain and
104	General	6	7	0 41113	0	hay
105	General	6	8	1 444	0	Sorting and packing
106	General	6	8	2	0	Boiling and drying
107	General	6	8,0	3	0	Polishing
			11115/10 10	J.		Separating the pods
108	General	6	8	4	0	from the plants
109	General	8	0	0	0	Other operations
						Loading and
110	General		1,4	0	0	transporting of
110	General	8		U	0	inputs Loading and
						transporting of
111	General	8	1	1	0	earth
111	General	9. 05 V	1	1	U	Loading and
						transporting of
112	General	8	1	2	0	manure
						Loading and
						transporting of
113	General	8	1	3	0	fertiliser
						Loading and
						transporting of seed
114	General	8	1	4	0	material
115	General	8	8	8	8	Any unspecified

	25F					Applying manure+applying
116	Gulabewala	1	6	9	1	fertiliser
						Applying
	Warwat					manure+applying
117	Khanderao	1	6	9	1	fertiliser
						Applying
						manure+applying
118	Gharsondi	1	6	9	1	fertiliser
	Warwat			The state of the s		
119	Khanderao	1	8	3 333	1	Field bunding
400	Warwat	,		inda rio		Ploughing and
120	Khanderao	1	9	Ju. 1. 716	0	levelling
101	D 11	1	0	4121101	0	Ploughing and
121	Badhar	111111	9	73 C.D.	0	levelling
	25F					Ploughing and applying
122	Gulabewala		9	2	0	manure/fertiliser
122	Gulabewala		11/2	2	V	Ploughing and
	Warwat					applying
123	Khanderao	101	9	2	0	manure/fertiliser
						Ploughing and
						applying
124	Nimshirgaon	now 1	9	2	0	manure/fertiliser
						Preparation of
125	Nimshirgaon	2	3	9	1	seeds and sowing
						Breaking furrows
						and bunds with
						animals, working
						earth around the
401				,	6	plant, Making new
126	Nimshirgaon	5	8	6	0	bunds, and remov
127	Nimshirgaon	5	9	1	0	Top dressing and
			11	1		

	255					plant, making new Threshing (6410/6420/6430)
128	25F Gulabewala	6	4	9	141	and winnowing (6450)
	0 0.2002 0 11 0.200	, and the second	·		THE STATE OF	Threshing
						(6410/6420/6430)
4.00	Warwat	,		tion of		and winnowing
129	Khanderao	6	4 ,,,,,	1101.95	1	(6450)
						Threshing (6410/6420/6430)
						and winnowing
130	Nimshirgaon	6	4	9	1	(6450)
	_					Threshing
						(6410/6420/6430)
121	Badhar			9	1	and winnowing
131	Daunar	KONO TITLE	, 1	9	1	(6450) Harvesting, and
	25F					loading and
132	Gulabewala	6	9	1	0	transporting
						Harvesting, and
	Warwat	V, 412" 10"				loading and
133	Khanderao	6	9	1	0	transporting
						Harvesting, and loading and
134	Nimshirgaon	6	9	1	0	transporting
4		114			, and the second	Harvesting, and
						loading and
135	Gharsondi	6	9	1	0	transporting
136	Badhar	6	9	1	0	Harvesting, and
			12			

breaking furrows and bunds with

animals, working earth around the

						loading and
						transporting
						Threshing, and
	25F					loading and
137	Gulabewala	6	9	2	0	transporting
		ů,				Threshing, and
	Warwat					loading and
138	Khanderao	6	9	2	0	transporting
						Threshing, and
						loading and
139	Nimshirgaon	6	9	2	0	transporting
	S					Threshing, and
						loading and
140	Gharsondi	6	9	2	0	transporting
						Threshing, and
						loading and
141	Badhar	6	9	2	0	transporting
	25F					Harvesting and
142	Gulabewala	6	9	3	0	threshing
	Warwat					Harvesting and
143	Khanderao	6	9	3	0	threshing
						Harvesting and
144	Nimshirgaon	6	9	3	0	threshing
						Harvesting and
145	Gharsondi	HOW 6	9	3	0	threshing
	D 11	V (1) = 11 10.		_		Harvesting and
146	Badhar	6	9	3	0	threshing
						Harvesting,
4.4=0	25F				0	threshing and
147	Gulabewala	6	9	4	Ü	winnowing
	W					Harvesting,
1.40	Warwat		0	4	0	threshing and
148	Khanderao	6	9	4	0	winnowing
149	Nimshirgaon	6	9	4	0	Harvesting,
			13			

					threshing and
					winnowing
					Harvesting,
					threshing and
150	Gharsondi	6	9	4	0 winnowing
					Sorting, and loading
151	Nimshirgaon	6	9	5	0 and transporting
	O				Making bundles,
					and Loading and
152	Badhar	6	9	6	0 transporting
					Combinations of
	Warwat				land preparation &
153	Khanderao	9	1	0	0 irrigation
					Combinations of
					land preparation &
154	Nimshirgaon	9	1 () () ()	0	0 irrigation
					Combinations of
					land preparation &
155	Gharsondi	9	1	0	0 irrigation
					Combinations of
	Warwat				weeding and
156	Khanderao	9	2	0	0 irrigation
					Combinations of
	· man	5.05			weeding and
157	Nimshirgaon	9	2	0	0 irrigation
					Combinations of
450					weeding and
158	Gharsondi	9	2	0	0 irrigation
					Combinations of
					inter-cultural
	Warwat				irrigation and other
159	Warwat Khanderao	0	2	0	inter-cultural
		9	3	0	0 irrigation
160	Nimshirgaon	9	3	0	0 Combinations of
			14		

						inter-cultural
						irrigation and other
						inter-cultural
						irrigation
						Applying
	25F					fertiliser+Inter-
161	Gulabewala	9	3	1		cultural irrigation
	S 41-414 2 11 41-41	•				Applying
						fertiliser+Inter-
162	Nimshirgaon	9	3	1		cultural irrigation
	8					Applying
	Warwat					fertiliser+Inter-
163	Khanderao	9	3	0116	0	cultural irrigation
						Combinations of
						weeding and other
	Warwat					inter cultural
164	Khanderao	9	4	0	0	operation
						Combinations of
						weeding and other
						inter cultural
165	Nimshirgaon	9	4	0		operation
						Combination of
	Warwat					land preparation
166	Khanderao	9	5	0		and sowing
						Combination of
						land preparation
167	Nimshirgaon	9	5	0		and sowing
						Combination of
			_	_		land preparation
168	Gharsondi	9	5	0		and sowing
						Combination of
4.60	D 11		-	0		land preparation
169	Badhar	9	5	0		and sowing
170	25F	9	5	1	0	Sowing+applying
			15			

	Gulabewala					fertiliser+applying manure
						Sowing+applying fertiliser+applying
171	Nimshirgaon	9	5	1	0	manure
	S					Sowing+applying
	Warwat					fertiliser+applying
172	Khanderao	9	5	1	0	manure
						Sowing+levelling/p
173	Gharsondi	9	5	1	0	ressing the soil
						Sowing+levelling/p
174	Badhar	9	5	1	0	ressing the soil
						Preparation of
4==	371 11		20 Mil 1	162	0	seeds+sowing+appl
175	Nimshirgaon	9	5	2	0	ying fertiliser
	W					Sowing+basal
	Warwat			_		manuring+making
176	Khanderao	9	5	3	0	channels
	Warwat					
177	Khanderao	9	5	4	O	Sowing+levelling