atai_midline_2018.xlsx

Ν	intronote	note
	Welcome to ATAI midline survey	
	N	FI
		Form 1. Introduction
N	start1	note
N		note
	Hello. We have come from Krishi Tarang. If you remember, we visited you some months back to conduct a survey with you and	1
	had informed you about our study. We had also informed you that	
	we would be coming back after the season to conduct another	1
	round of survey. If you are interested in knowing about purpose of	1
	current visit, I would like to first confirm your basic details and then	1
	give you a detailed explanation. You can let me know you final	1
	decision about being a part of this research study after that.	
N	intro	select_one yesno
	Should I continue?	○ No 0
		C Yes 1
N.I		<u> </u>
	date_v	select_one yesno
	Is today \${date}?	C No o
		C Yes 1
	date_a	date
	What is today's date?	Day:
	•	Month:
	•	
		Year:
Ν	time_v	select_one yesno
	Is the time \${time}?	○ No ○
	•	C Yes 1
N	uid	text
	Please type the respondent's unique ID	
	start2	select_one yesno
	Were you the primary decision maker on farming matters in Kharif	○ No ○
	season of 2018?	C Yes 1
N	start3	note
	Please call the person who was the primary decision maker.	
	start4	select_one yesno
	Surveyor, are you now talking to the person who took agricultural	O No o
	decisions in Kharif season of 2018?	© Yes 1
Ŋ	start5	select_one yesno
	Surveyor, have you been asked to come back later?	O No 0
	Sulveyor, mave you been delice to come such tate.	O Yes 1
N 1	<u> </u>	
	later	text
	Please make a note of the revisit time and save the form	
N	reject	select_one yesno
	Has the farmer refused to be surveyed?	O No o
	Tido tilo tuttion fotados to so est. 1971	O Yes 1
NI		
	reject_why Please enter the reason why the farmer has refused to be surveyed	text
	Please enter the reason why the farmer has refused to be surveyed and save the form.	
		local desired
	reject_no Please enter why the farmer can not be surveyed and save the	text
	Please enter why the farmer can not be surveyed and save the form.	
	x1_1	select_one yesno
	_	_ ,
	Is the name of respondent: \${name}? Note to surveyor: Please confirm the name properly. If there is any	O No 0
	Note to surveyor: Please confirm the name properly. If there is any mistake in the pronunciation of the name, please make a change.	O Yes 1
		·
	N	name_farmer
		Name
N	x1_2_1	text
	· ·	1

	First name	
N	x1_2_2	text
. 4	Middle name	
	ivilidate frame	
N	x1_2_3	text
	Last name	
	x1_2_4	select_one relation
	What is the relation of respondent with \${name}?	C spouse 1
	Surveyor, do not read the list to farmer	© parent 2
		C child 3
		sibling 4
		c grand parent 5
		○ other.o
	x1_2_4_0	text
	Other relation	
N	x1_3	select_one yesno
	Is the respondent's gender \${gender}?	○ No ○
		© Yes 1
N	x1_3_1	select_one gender
	What's the respondent's gender?	o female 0
		o male 1
N	x1_4	select_one yesno
	Is the primary mobile number of respondent: \${mobile_number}?	O No o
	Note to surveyor: Confirm the number with the farmer. We want the	O Yes 1
	respondent's primary number.	
	N	mob
		Mobile number
N	x1_4_1	text
	What is the respondent's primary mobile number?	
	Use numbers only. If the farmer does not answer enter "9999999999"	
С	regex(.,'^[6789]\d{9}\$')	
M	This is not a valid mobile number. Please check again	
N	x1_4_2	text
_	Confirm respondent's primary mobile number	
C M	.=\${x1_4_1} Numbers do not match. Please check.	
N	x1_5	select_one yesno
	Is the district: \${district}?	C No o
		C Yes 1
	x1_5_1	select_one district
	Please select district	Surendranagar 101
		© Rajkot 102
		C Morbi 103
	x1_6	select_one yesno
	Is the block: \${block}?	© No o
		C Yes 1
	x1_6_1	select_one block
	Please select block	Chuda 10102
		© Muli 10103
		C Vinchhiya 10201
		O Jasdan 10205
		C Morbi 10301
		C Halvad 10303
	x1_7	select_one yesno
	Is the village: \${village}?	O No o
. .		O Yes 1
	x1_7_1	select_one village
	Please select village	o bagthala 1030105
		© baliya 1030106

- O barvada 1030108
- C bhadla 1020502
- C bhalgamda 1030304
- o bhandariya 1020501
- C bhensjal 1010210
- O bugupur 1010201
- C chachka 1010209
- chanchapar 1030101
- C chhatriyala 1010213
- C chokdi 1010205
- C dahisar 1020508
- C dhavana 1030302
- O digsar 1010313
- C dudhai 1010306
- c gadhadiya jam 1020511
- c gautamgadh 1010309
- © ghanshyamgadh 1030307
- © ghanshyampur 1030305
- O godavari 1010310
- c gokharvada 1010208
- O goraiya 1020108
- C hingolgadh 1020107
- o jasapar 1010301
- C jepur 1030109
- c juni morvad 1010206
- c kadiyana 1030313
- C karol 1010202
- C kavadiya 1030312
- C khadvavdi 1020503
- C khakhrala 1030110
- C khevdiya 1030111
- C korda 1010203
- C kothi 1020506
- C kudla 1010207
- C kukada 1010307
- C limali 1010312
- C liya 1010303
- C lutawader 1030107
- C madava 1020512
- mathak 1030301
- o mojidad 1010211
- nota hadmatiya 1020102
- nota matra 1020104
- O nana matra 1020103
- nava devaliya 1030303
- navi morvad 1010204
- nesda 1030113
- O ori 1020101
- O parevada 1020507
- C patiyali 1020113
- O pipardi 1020111
- O polarpar 1020505
- rajavadla 1020504
- ramadiya 1020513
- C rangpar 1030104
- raningpar 1020509
- ranjitgadh_h 1030311
- ranjitgadh_r 1020510
- c ranmalpur 1030310
- rupavati 1020109
- C sadala 1010305

		samadhiyala 1020105
		C somasar 1010308
		Sukhpar 1030309
		·
		C thoriyali 1020110
		C tikar_h 1030306
		C tikar_m 1010304
		© umarda 1010311
		O vanala 1020112
		vangdhara 1020106
		C vegadvav 1030308
		C zobala 1010212
Ν	x2_1	select_one surveyor
	Select your ID	O OMITTED 101
N	x2 2	select_one supervisor
•	_	
	Select your Supervisor's ID	© OMITTED 101
Ν	start6	note
	Now, we would like to give you a brief description of the study	
	again and ask for your consent to participate in this survey.	
	Proceed to the consent form.	
Ν	consent1	select_one yesno
	Does the farmer consent to the survey?	O No o
	Surveyor, please read out consent script to farmer	
		C Yes 1
N	consent_no	text
	Please enter the reason why the farmer has refused to give	
	consent and save the form.	
Ν	note_a1	note
	We would like to ask you questions regarding use of \${plot_name}	
	plot for farming in Kharif season of 2018	
N	a1	decimal
••	What is the total area of \${plot_name} plot?	
	Please enter "-888" if respondent Does not know/remember	
N	a1_1	select_one area_unit
	Which unit do you use for area of \${plot_name}?	○ bigha 1
		C acre 2
		C hectare 3
		I U HECIATE 3
		○ guntha 4
		C guntha 4 C does not know/remember .d
N	a1_2	C guntha 4 C does not know/remember .d select_one yesno
N	Is guntha used as secondary unit for land measurement by the	C guntha 4 C does not know/remember .d
N	_	C guntha 4 C does not know/remember .d select_one yesno
	Is guntha used as secondary unit for land measurement by the farmer?	© guntha 4 © does not know/remember .d select_one yesno © No 0 © Yes 1
	Is guntha used as secondary unit for land measurement by the farmer? temp0	C guntha 4 C does not know/remember.d select_one yesno C No 0
	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha?	© guntha 4 © does not know/remember .d select_one yesno © No 0 © Yes 1
N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember	C guntha 4 C does not know/remember .d select_one yesno C No 0 C Yes 1 decimal
N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1	© guntha 4 © does not know/remember .d select_one yesno © No 0 © Yes 1
N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and	C guntha 4 C does not know/remember .d select_one yesno C No 0 C Yes 1 decimal
N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name}	C guntha 4 C does not know/remember .d select_one yesno C No 0 C Yes 1 decimal
N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering	© guntha 4 © does not know/remember .d select_one yesno © No 0 © Yes 1 decimal
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer	C guntha 4 C does not know/remember .d select_one yesno C No 0 C Yes 1 decimal
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area	© guntha 4 © does not know/remember .d select_one yesno © No 0 © Yes 1 decimal
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer	C guntha 4 C does not know/remember .d select_one yesno C No 0 C Yes 1 decimal
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area	c guntha 4 c does not know/remember .d select_one yesno c No 0 c Yes 1 decimal note
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly?	c guntha 4 c does not know/remember .d select_one yesno c No 0 c Yes 1 decimal note select_one yesno c No 0 c Yes 1
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly?	C guntha 4 C does not know/remember .d select_one yesno C No 0 C Yes 1 decimal
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as	c guntha 4 c does not know/remember .d select_one yesno c No 0 c Yes 1 decimal note select_one yesno c No 0 c Yes 1
N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as \${baseline_area_bigha} bigha in survey done in April. Please ask	c guntha 4 c does not know/remember .d select_one yesno c No 0 c Yes 1 decimal note select_one yesno c No 0 c Yes 1
N N N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as \${baseline_area_bigha} bigha in survey done in April. Please ask him why is his response different in this survey.	c guntha 4 c does not know/remember .d select_one yesno No 0 Yes 1 decimal note select_one yesno No 0 Yes 1 text
N N N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as \${baseline_area_bigha} bigha in survey done in April. Please ask him why is his response different in this survey. a2	c guntha 4 c does not know/remember .d select_one yesno No 0 Yes 1 decimal note select_one yesno No 0 Yes 1 text select_one yesno
N N N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as \${baseline_area_bigha} bigha in survey done in April. Please ask him why is his response different in this survey. a2 Did you sow cotton in the \${plot_name} plot in Kharif 2018?	c guntha 4 c does not know/remember .d select_one yesno C No 0 C Yes 1 decimal note select_one yesno C No 0 C Yes 1 text select_one yesno C No 0 C Yes 1
N N N N	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as \${baseline_area_bigha} bigha in survey done in April. Please ask him why is his response different in this survey. a2 Did you sow cotton in the \${plot_name} plot in Kharif 2018? Surveyor: if farmer says that he had sown crop but whole crop was lost	c guntha 4 c does not know/remember .d select_one yesno No 0 Yes 1 decimal note select_one yesno No 0 Yes 1 text select_one yesno
Z Z Z Z	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as \${baseline_area_bigha} bigha in survey done in April. Please ask him why is his response different in this survey. a2 Did you sow cotton in the \${plot_name} plot in Kharif 2018? Surveyor: if farmer says that he had sown crop but whole crop was lost then fill yes in this question and proceed	c guntha 4 c does not know/remember .d select_one yesno c No 0 c Yes 1 decimal note select_one yesno c No 0 c Yes 1 text select_one yesno c No 0 c Yes 1
Z Z Z Z	Is guntha used as secondary unit for land measurement by the farmer? temp0 What is the area of \${plot_name} in guntha? Please enter "-888" if respondent Does not know/remember note_a1_1 Surveyor please check whether you have entered land area and unit correctly. Mention to farmer that the plot name is \${plot_name} and ask them for area again. If you have made mistake in entering area then go back and correct answer check_area Surveyor, have you entered area correctly? a1_1_2 Surveyor, Please tell farmer that we had noted plot area as \${baseline_area_bigha} bigha in survey done in April. Please ask him why is his response different in this survey. a2 Did you sow cotton in the \${plot_name} plot in Kharif 2018? Surveyor: if farmer says that he had sown crop but whole crop was lost	c guntha 4 c does not know/remember .d select_one yesno C No 0 C Yes 1 decimal note select_one yesno C No 0 C Yes 1 text select_one yesno C No 0 C Yes 1

	correctly. Mention to farmer that the plot name is \${plot_name} and ask them for sowing status again. If you made mistake in entry then go back and correct data	
N	check_sowing	select_one yesno
	Surveyor, have you entered sowing status correctly	O No 0 O Yes 1
N I	00 6 1	
IN	a2_6_1 Why is the sowing status different between the survey done in August and now?	text
N I		aglest multiple pe goving
N	a2_2	select_multiple no_sowing
	What were the reasons for not sowing cotton in the \${plot_name} plot?	Lack of water
	Surveyor: do not read out the options to farmers	☐ Late rains 2
	Surveyor, do not read out the options to farmers	☐ Changed crops 3
		☐ Gave land on rent 4
		Left land fallow 5
		☐ Others .o
1	a2_2_o	text
	Other reasons for not sowing cotton	
٧	note_a2_2	note
	Please provide us details of start of cotton sowing in \${plot_name}	
	plot	
١	a2_3	select_one month_sowing
	In which month did you start sowing cotton in \${plot_name} plot?	© May 5
	the state of the s	O June 6
		O July 7
		1
		C August 8
	-0.0	C Others .o
1	a2_3_o Other month of sowing	text
	Other month of sowing	
1	a2_3_1	select_one week
	In which week of the month did you start sowing cotton in	○ First week 1
	\${plot_name} plot?	○ Second week 2
		○ Third week 3
		© Fourth week 4
		© Fifth week 5
١	temp1	select_one yesno
	Did you sow cotton in the full area of \${plot_name} plot?	C No o
	, , , , , , , , , , , , , , , , , , , ,	O Yes 1
J	temp2	decimal
•	What was the size of \${plot_name} plot in \${a1_1_lbl} on which you sowed cotton?	
	Please enter "-888" if respondent Does not know/remember	
١	temp2_1	decimal
	What was the size of \${plot_name} plot in guntha on which you	
	sowed cotton?	
	Please enter "-888" if respondent Does not know/remember	
1	note_a2_4	note
	Surveyor please check whether you have entered land area and	
	unit correctly. Mention to farmer that the plot name is \${plot_name}	
	and ask them for area again. If you have made mistake in entering	
	area then go back and correct answer	
1	check_area_2	select_one yesno
	Surveyor, have you entered area correctly?	O No o
		C Yes 1
١	a2_4_2	text
	Surveyor, Please tell farmer that we had noted cotton area as	
	\${basal_area_bigha} bigha in survey done in August. Please ask him why is his response different in this survey.	
J	a3 1	select_one yesno
•	was the cotton crop in \${plot_name} plot irrigated?	© No 0
	The the collon grop in withor interpretation in induced:	
		C Yes 1

Ν	note_a3	note
	Surveyor please check whether you have entered irrigation status	
	correctly. Mention to farmer that the plot name is \${plot_name} and	
	ask them for irrigation status again. If you made mistake then go	
	back and correct data	
Ν	check_irrigation	select_one yesno
	Surveyor, have you entered irrigation status correctly?	○ No o
		○ Yes 1
Ν		text
	Why has the irrigation status changed between the survey done in	
	August and now?	
NI	a3_2	select_multiple irrigation
IN		= · · · ·
	What was the source of irrigation dependent upon?	☐ rainfall 1
	Surveyor: do not read out the options to farmers	underground water 2
		☐ nearby water/dam 3
		canal 4
		□ other .o
N	a3 2 0	text
.,	Other source of irrigation	toxt
	Other source of irrigation	
N	a3_3	select_one yesno
	Did you irrigate the entire cotton crop in \${plot_name} plot?	C No 0
	Dia you inigate the ontire estan crop in apportance, plots	C Yes 1
Ν	a3_4	decimal
	What was the size cotton plot in \${plot_name} plot in \${a1_1_lbl} for	
	you were able to apply water from irrigation?	
	Please enter "-888" if respondent Does not know/remember	
Ν	a3_4_g	decimal
	What was the size cotton plot in \${plot_name} plot in guntha for you	
	were able to apply water from irrigation?	
	Please enter "-888" if respondent Does not know/remember	
Ν	a3 5	select_one yesno
	Were you able to apply optimal amount of water from irrigation for	C No 0
	your cotton crop \${plot_name} plot?	C Yes 1
Ν	a4	select_one yesno
	Is the cotton crop in \${plot_name} plot still standing?	○ No 0
Ν	a4 1	select_multiple crop_event
	What was the reason for complete failure of the crop?	 ☐ drought/lack of water 1
	Surveyor: do not read out the options to farmers	flood 2
	curvoyor, ac not road out the options to rannors	
		☐ hail storm 3
		☐ lightening 4
		☐ rainstorm 5
		insects 6
		rodents 7
		□ animals eating crops 8
		theft 9
		☐ fire 10
		other .o
		does not know/remember .d
	-4.0 -	
N	a4_2_o	text
	Other reason for failure of crop	
NI	b1	coloct one veens
IN		select_one yesno
	Have you started harvesting of your cotton crop in \${plot_name}	© No 0
	plot?	C Yes 1
Ν	b2_1	select_one harvest_month
	Month in which you started harvesting crop from \${plot_name} plot	○ October 1
		© November 2
		© December 3
. .	h0 0	
N	b2_2	select_one week
	Models in which you started become time over the whole the constitution	_ F
	Week in which you started harvesting crop from \${plot_name} plot	C First week 1
	Week in which you started harvesting crop from \${plot_name} plot	First week 1Second week 2

			○ Third week 3
			○ Fourth week 4
			○ Fifth week 5
	10		
N	b3		select_one harvest_due
	When will you start harvesting your cotton crop in \${plot_plot?	name}	5 days from today 1
	piot:		O 10 days from today 2
			○ 15 days from today 3
			© 20 days from today 4
	-		other.o
N	b3_o		text
	Other harvest beginning durations		
Ν	<u>b4</u>		decimal
	What is the quantity of cotton you expect to harvest in the	e Kharif	
	season of 2018 from \${plot_name}?		
	Please enter "-888" if respondent Does not know/remember		
Ν	b4_1		select_one weight_unit
	Unit		○ kg 1
	Select unit		© maund 2
			O pula 4
			c does not know/remember d
Ν	note_b3		note
	I would now like to ask you a few questions about the pro	blems	
	and losses that you might have faced with your cotton cro	op this	
	year.		
N			select_one yesnoda
	In the Kharif season of 2018, did you face any loss of cro		○ No o
	\${plot_name}, for exmaple, due to weather, fire, pests, ar plant disease, theft or any other reason?	nimals,	C Yes 1
	plant disease, their of any other reason?		C does not answer .r
Ν	b5_1		select_multiple crop_event
	Please select events due to which you faced crop loss		☐ drought/lack of water 1
	Surveyor: do not read out the options to farmers		☐ flood 2
			☐ hail storm 3
			☐ lightening 4
			rainstorm 5
			insects 6
			rodents 7
			animals eating crops 8
			☐ theft 9
			fire 10
			□ other .o
			☐ does not know/remember .d
Ν	b5_1_o		text
	Other event		
	Please specify		
	N b5_1_r		
	Shock related		·
	N b5_2	select_one	
	What was the month of \${b5_1_lbl}?	C June	6
		O July 7	
		C Augus	
		© Septe	
	C Octobe C Noven		
		C Decer	
N	b5_3		decimal
	What was the estimated quantity of crop that you lost due	e to all the	
	events combined? Please enter "-888" if respondent Does not know/remember		
N	b5_3_1		select one less unit
IN	Unit of quantity loss		select_one loss_unit C Kilogram 1
	one or quartity 1000		₩ Milogram

N		3_1_0		O Maund 2 O Quintal 3 O Pula 4 O Percentage 5 O other .0
IN		ner unit for crop loss		text
N N	note_c1 I would like to ask you some questions about your seed use for total cotton cultivation in \${plot_name} plot in Kharif 2018.		note select_multiple cotton_seed	
	I am going to read out varieties of seeds. Please tell me if you had used that variety for sowing cotton in \${plot_name} plot in Kharif 2018?		☐ Short 1 ☐ Medium 2 ☐ Long 3	
	N	c1_var Varieties of	seeds used	i
	N		select_mult purch reuse purch	ased new seeds 1 d old seeds 2 ased and reused 3 not know/remember.d
		temp3 What was the quantity of \${c1_lbl} seeds used for cotton sowing in the \${plot_name} plot? Please enter "-888" if respondent Does not know/remember	decimal	
	N	c3_1 Unit of seed quantity	c kilogra c gram c packe	2
		c3_1_o Other unit of seed quantity	text	
	N	c3_2 Size of the seed packet	select_one	ram 2 ram 3
	N	c3_2_o Other size of seed packet	text	
	N		select_one C BT 1 C Non-E C other C does	3T 2
		c4_o Other response for BT use	text	
N	١w	e_d0 eudl like to ask you questions regarding use of compo ton grown in \${plot_name} plot in 2018	st for	note
N		I you use compost for cotton grown in your \${plot_nam	ne} plot?	select_one yesno O No 0 O Yes 1
N	plo	- w much compost did you use for cotton crop in \${plot_	name}	decimal
N	d0_	1_1_1 it of quantity of compost		select_one compost_unit

		○ Kilogram 1 ○ Trolley load 2
		C Tractor load 3
Ν	d0_1_1_o	text other .o
	Other unit for quantity of compost	
Ν	d0_1_2	decimal
	What do you think is the weight of trolley/tractor load?	
	Please enter "-888" if respondent Does not know/remember	
IN	d0_1_3 Unit of weight of tractor/trolley load	select_one load_weight C Kilogram 1
	on weight of tractor/troiley load	© Ton 2
		© Maund 3
		○ Other .o
Ν	d0_1_3_o	text
	Other unit of tractor/trolley load	
N	d0_2	select_one yesno
	Did you apply compost for the entire cotton crop in \${plot_name}	C No 0
	plot?	
Ν	d0_2_1	decimal
	What was the size cotton plot in ${\phi \over n}$ plot in ${a1_1}b$ for	
	you which were able to apply compost? Please enter "-888" if respondent Does not know/remember	
N	d0_2_1_g	decimal
	What was the size cotton plot in \${plot_name} plot in guntha for you	
	were able to apply compost?	
	Please enter "-888" if respondent Does not know/remember	
N	note_d1	note
	I would like to ask you regarding fertilizer usage for cotton during the Kharif season of 2018 for \${plot_name} plot	
Ν		select_one yesno
	Did you use inorganic fertilizers for cotton grown in your	C No o
	\${plot_name} plot in the Kharif season of 2018?	O Yes 1
N	d2	select_multiple fertilizers_no_use
	Why did you not use any inorganic fertilizers? Surveyor: do not read out the options to farmers	☐ no money 1 ☐ too costly 2
	curveyor. do not read out the options to farmers	not necessary 3
		no access 4
		advice from agro-dealer 5
		advice from other farmer 6
		☐ never used 7
		have not heard about this fertilizer
		objection does not know how to use its
		too risky 10
		□ other .o
Ν	d2_o	text
	Other reason for not using inorganic fertilizers	
Ν	d3	select_multiple fertilizers
	Which fertilizers did you use for your cotton cultivation on	□ Urea 1
	\${plot_name} plot in the Kharif season of 2018?	☐ Ammonium Sulphate 2
	Read each fertilizer and select all that apply.	□ DAP 3
		SSP 4
		☐ MOP 5 ☐ NPK 20-20-0 6
		□ NPK 20-20-13 7
		□ NPK 20-20-13 /
		□ NPK 20-20-0-13 9
		☐ NPK 12-32-16 10
		☐ NPK 19-19-19 11

	_o_npk	☐ Other NPK 13 ☐ Iron 14 ☐ Zinc 15 ☐ Sulphur 16 text Other fertilizer 17
Oth	ner NPK fertilizer	
d3_ Oth	_o ner fertilizer	text
N	d3_r	
		ilizer
	temp4 How much of \${d3_name} did you use on your total cotton cultivated on \${plot_name}? Please enter "-888" if respondent Does not know/remember	decimal
N	d4_1	select_one fertilizers_units
	Units of \${d3_name} Please select the units for \${d3_name}	 kilogram 1 liter 2 gram 3 mililiter 4 bag 5 does not know/remember.d
N	d4_2	select_one bagsize_units
	Units of the bag size Please select the units of bag size	 25 Kilogram 1 45 Kilogram 2 50 Kilogram 3 75 Kilogram 4 others .o does not know/remember .d
N		text
	Other bag size	
N	d4_3	select_one yesno
	Is there a second unit in which farmer applied \${d3_name}?	C No 0 C Yes 1
	d4_4 How much of \${d3_name} did you use on your total cotton cultivated on \${plot_name}? (second unit) Please enter "-888" if respondent Does not know/remember	decimal
	d4_4_1 Units of \${d3_name} (second) Please select the units for \${d3_name}	select_one fertilizers_units c kilogram 1 c liter 2 c gram 3 c mililiter 4 c bag 5 c does not know/remember.d
	d4_4_2 Units of the bag size (second) Please select the units of bag size	select_one bagsize_units 25 Kilogram 1 45 Kilogram 2 50 Kilogram 3 75 Kilogram 4 others .o does not know/remember .d
N		text
	Other bag size	
	d5 What was the price at which you had bought \${d3_name}?	decimal

	Please enter "-888" if respondent Does not	
	know/remember d5 1	select_one fertilizer_price
	Unit of fertilizer price	○ Kilogram 1
	One of forting of price	_
		© Bag 2
		○ Total 3
		○ Other .o
	d5_1_o	text
	Other unit of fertilizer price	
	p	
į	d5 2	select_one bagsize_units
	Units of the bag size	C 25 Kilogram 1
	5 5. 6 5.	<u> </u>
		O 45 Kilogram 2
		○ 50 Kilogram 3
		○ 75 Kilogram 4
		○ others .o
		○ does not know/remember .d
	d5_2_o	text
	Other bag size	
	Other bag size	
1	d5 3	decimal
	_	dooma
	What was the price at which you had bought	
	\${d3_name}? (second unit)	
	Please enter "-888" if respondent Does not	
	know/remember	
	d5_6	select_one fertilizer_price
	Unit of fertilizer price (second unit)	
		○ Bag 2
		○ Total 3
		Other.o
	AF 0 -	
	d5_6_o	text
	Other unit of fertilizer price (second unit)	
	d5_7	select_one bagsize_units
	Units of the bag size (second unit)	C 25 Kilogram 1
		C 45 Kilogram 2
		○ 50 Kilogram 3
		75 Kilogram 4
		O others .o
		odoes not know/remember.d
	d5_7_o	text
	Other bag size	
j	d6	integer
	In how many doses did you use \${d3_name} on	
	\${plot_name}?	
	Please enter "-888" if respondent Does not	
	know/remember	
	d7 1	select_one crop_stage
	_	
	At what crop stage did you apply apply \${d3_name} in dose # 1 ?	© Before sowing 1
	III UUSE # 1 !	C At time of sowing 2
	d7_1_1	decimal
	— — What was the duration from sowing/after sowing of	
	cotton crop in \${plot_name} at which you applied	
	dose#1 of \${d3_name}	
	Please enter "-888" if respondent Does not	
	know/remember	colort and gran stage unit
	know/remember d7_2_1	select_one crop_stage_unit
	know/remember	○ Day 1
	know/remember d7_2_1	
	know/remember d7_2_1	○ Day 1
	know/remember d7_2_1	C Day 1 C Week 2

	Other crop stage	
N	d8 1	decimal
	How much \${d3_name} did you use in dose # 1 ? Please enter "-888" if respondent Does not know/remember	
N	d8_1_1	select_one fertilizers_units
	Units of \${d3_name} in dose# 1	isolect_one fortingers_units
	Please select the units for \${d3_name}	C liter 2
	r lease select the units for ψ(us_name)	
		C gram 3
		o mililiter 4
		○ bag 5
		C does not know/remember.d
N	d8_1_1_1	select_one bagsize_units
	Units of bag size	C 25 Kilogram 1
	Please select the units of bag size	C 45 Kilogram 2
		○ 50 Kilogram 3
		C 75 Kilogram 4
		○ others .o
		C does not know/remember .d
N	d8_1_1_o_1	text
	Other bag size	
N	d8_2_1	select_one yesno
	Is there a second unit in which you applied	O No 0
	\${d3_name} in dose#1?	C Yes 1
N	d8_3_1	decimal
	How much \${d3_name} did you use in dose # 1	
	(second unit)?	
	Please enter "-888" if respondent Does not know/remember	
N	d8_3_1_1	select_one fertilizers_units
	Units of \${d3_name} in dose# 1 (second unit)	○ kilogram 1
		© liter 2
		© gram 3
		© mililiter 4
		© bag 5
		o does not know/remember.d
N	d8_3_2_1	select_one bagsize_units
•	Units of bag size (second unit)	© 25 Kilogram 1
	ornic or bag size (second arm)	6 45 Kilogram 2
		○ 50 Kilogram 3
		○ 75 Kilogram 4
		others.o
		others.o does not know/remember.d
NI	d8_3_2_o_1	text
	Other bag size	lext
	Other bag size	
N	d9_1	select_one yesnodk
	Was the \${d3_name} in dose#1 mixed with any other	C no 0
	fertilizer at time of application?	O yes 1
		odoes not know/remember.d
N	d9_1_1	select_multiple fertilizers
	Name of the fertilizer with which \${d3_name} in	 □ Urea 1
	dose#1 was mixed	☐ Ammonium Sulphate 2
		□ DAP 3
		□ SSP 4
		☐ MOP 5
		☐ NPK 20-20-0 6
		□ NPK 20-20-13 7
		□ NPK 20-20-20 8
		□ NPK 20-20-0-13 9

		□ NPK 12-32-16 10
		□ NPK 19-19-19 11
		□ NPK 15-15-15 12
		☐ Other NPK 13
		☐ Iron 14
		☐ Zinc 15
		☐ Sulphur 16
		☐ Other fertilizer 17
N	d9_1_o_1	text
	Name of other fertilizer which was mixed with	
	dose#1 of \${d3_name}	
Ν	d9_1_npk_1	text
	Name of other NPK fertilizer which was mixed with	
	dose#1 of \${d3_name}	
Ν	d10_1	decimal
	How much time did it take to apply \${d3_name} in	
	dose#1?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d10_1_1	select_one time_unit
	Unit of time taken to apply \${d3_name} in dose#1	O Day 1
		O Hour 2
		Other .o
Ν	d10_1_o_1	text
	Other unit of time taken to apply \${d3_name} in	
	dose#1	
N	d11_1	integer
	How many people were used for applying	
	\${d3_name} in dose#1	
	Please enter "-888" if respondent Does not know/remember	
NI	d11_1_1	intogor
IN	How many people were used for applying	integer
	\${d3_name} in dose#1 were male?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d11_2_1	integer
	How many people were used for applying	
	\${d3_name} in dose#1 were female?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d12_1	select_multiple labour
	Please share whether the labour used for applying	☐ Family labour 1
	\${d3_name} in dose#1 were family members or hired labour.	□ Exchange labour 2
	labour.	☐ Labour Contract 3
		☐ Hired labour 4
		□ other .o
Ν	d13_1_1	integer
	How many men were hired for applying \${d3_name}	
	in dose#1?	
	Please enter "-888" if respondent Does not	
N	know/remember d13 2 1	intoger
IN		integer
	How many women were hired for applying \${d3_name} in dose#1?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d14_1_1	decimal
	Wages paid to hired male labour for applying	
	\${d3_name} in dose#1	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d14_2_1	decimal
	Wages paid to hired female labour for applying	
	\${d3_name} in dose#1	

	Please enter "-888" if respondent Does not	
N	know/remember d14 3 1	select_one payment_unit
	Unit of wages paid to hired labour for applying	© Per day per person 1
	\${d3_name} in dose#1	Per hour per person 2
		C Total 3
		O other .o
N	d14_3_o_1	text
	Other unit of wage payment	
N	d14_4_1	select_one yesno
	Did you pay wages in kind to hired labour for applying \${d3_name} in dose#1?	O No 0 O Yes 1
N I	d14_5_1	
IN	Wages paid in kind to hired labour for applying	select_multiple wages_kind line breakfast 1
	\${d3_name} in dose#1	Dreaklast
	, (c = _ c, _ c = c =	☐ Tea 3
		☐ Extra tip 4
		other.o
N	d14_5_o_1	text
	Other wages paid in kind to hired labour	
N	d14_6_1	decimal
	Total value of money for wages in kind Please enter "-888" if respondent Does not	
	know/remember	
N	d14_7_1	select_one payment_unit
	Unit of wages in kind paid to hired labour for	○ Per day per person 1
	\${d3_name} applied in dose#1	© Per hour per person 2
		ດ Total ₃
		○ other .o
N	d15_1	select_one yesno
	Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#1?	O No 0
		○ Yes 1
N	d15_1_1	decimal
	In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#1?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d15_1_g_1	decimal
	In how many guntha of \${plot_name} plot was the	
	\${d3_name} applied for dose#1?	
	Please enter "-888" if respondent Does not know/remember	
N	d16_1	select_one yesnodk
	Were you able to apply optimal amount of	C no 0
	\${d3_name} in \${plot_name} for dose#1?	C yes 1
		C does not know/remember .d
N	d16_1_1	select_multiple nonoptimal
	Why were you not able to apply the optimal amount	☐ no money 1
	of \${d3_name} for your cotton in \${plot_name} in dose#1?	too costly 2
	Surveyor, do not read out the options to farmers	☐ not necessary 3
	,	no access 4
		☐ advice from agro-dealer 5 ☐ advice from other farmer 6
		other.
N	d16_1_o_1	text
	Other reason for not using optimal amount of	
	\${d3_name} in dose#1	
Ν	d7_2	select_one crop_stage
	At what crop stage did you apply apply \${d3_name}	© Before sowing 1
	in dose #2 ?	C At time of sowing 2
		l

N		decimater sowing 3
	What was the duration from sowing/after sowing of	
	cotton crop in \${plot_name} at which you applied	
	dose#2 of \${d3_name}	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d7_2_2	select_one crop_stage_unit
	Unit of duration from sowing/after sowing	C Day 1
		○ Week 2
		© Month 3
		○ Others .o
N	d7_2_o_2	text
	Other crop stage	
Ν	d8_2	decimal
	How much \${d3_name} did you use in dose #2?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d8_1_2	select_one fertilizers_units
	Units of \${d3_name} in dose#2	
	Please select the units for \${d3_name}	○ liter 2
		○ gram 3
		C mililiter 4
		○ bag 5
		C does not know/remember .d
Ν	d8_1_1_2	select_one bagsize_units
	Units of bag size	C 25 Kilogram 1
	Please select the units of bag size	C 45 Kilogram 2
		○ 50 Kilogram 3
		O others .o
		C does not know/remember .d
N		text
	Other bag size	
Ν	d8_2_2	select_one yesno
	Is there a second unit in which you applied	O No 0
	\${d3_name} in dose#2?	© Yes 1
Ν	d8_3_2	decimal
	How much \${d3_name} did you use in dose #2	
	(second unit)?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d8_3_1_2	select_one fertilizers_units
	Units of \${d3_name} in dose#2 (second unit)	
		O liter 2
		○ gram 3
		C mililiter 4
		○ bag 5
		C does not know/remember .d
Ν	d8_3_2_2	select_one bagsize_units
	Units of bag size (second unit)	C 25 Kilogram 1
		C 45 Kilogram 2
		○ 50 Kilogram 3
		O others .o
		O does not know/remember.d
N	d8_3_2_o_2	text
	Other bag size	
	- · · · · · · · · · · ·	
Ν	d9_2	select_one yesnodk
	Was the \${d3_name} in dose#2 mixed with any other	
	fertilizer at time of application?	

		C yes 1
Ν	d9_1_2	Selegonsing tennyling member.d
	Name of the fertilizer with which \${d3_name} in dose#2 was mixed	☐ Urea 1
	dooding mad mixed	☐ Ammonium Sulphate 2 ☐ DAP 3
		SSP 4
		☐ MOP 5
		□ NPK 20-20-0 6
		☐ NPK 20-20-13 7
		☐ NPK 20-20-20 8
		NPK 20-20-0-13 9
		□ NPK 12-32-16 10 □ NPK 19-19-19 11
		□ NPK 15-15-15 12
		☐ Other NPK 13
		☐ Iron 14
		☐ Zinc 15
		☐ Sulphur 16
		Other fertilizer 17
N	d9_1_o_2	text
	Name of other fertilizer which was mixed with dose#2 of \${d3_name}	
Ν	d9_1_npk_2	text
	Name of other NPK fertilizer which was mixed with dose#2 of \${d3_name}	
N	d10 2	decimal
	How much time did it take to apply \${d3_name} in dose#2?	
	Please enter "-888" if respondent Does not know/remember	
Ν	d10_1_2	select_one time_unit
	Unit of time taken to apply \${d3_name} in dose#2	○ Day 1
		O Hour 2 O Other .0
Ν	d10_1_o_2	text
	Other unit of time taken to apply \${d3_name} in dose#2	
N	d11_2	integer
	How many people were used for applying	
	\${d3_name} in dose#2	
	Please enter "-888" if respondent Does not know/remember	
N	d11_1_2	integer
	How many people were used for applying	
	\${d3_name} in dose#2 were male?	
	Please enter "-888" if respondent Does not know/remember	
Ν	d11_2_2	integer
	How many people were used for applying \${d3_name} in dose#2 were female?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d12_2	select_multiple labour
	Please share whether the labour used for applying \$\{d3_name\} in dose#2 were family members or hired	☐ Family labour 1
	labour.	☐ Exchange labour 2 ☐ Labour Contract 3
		☐ Hired labour 4
		other .o
Ν	d13_1_2	integer
	How many men were hired for applying \${d3_name} in dose#2?	
	Please enter "-888" if respondent Does not know/remember	

	luo o o	Let.
N	d13_2_2	integer
	How many women were hired for applying	
	\${d3_name} in dose#2?	
	Please enter "-888" if respondent Does not	
NI	know/remember d14 1 2	decimal
IN	Wages paid to hired male labour for applying	decimal
	\${d3_name} in dose#2	
	Please enter "-888" if respondent Does not	
	know/remember	
	Tillow/Territori	
N	d14_2_2	decimal
	Wages paid to hired female labour for applying	
	\${d3_name} in dose#2	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d14_3_2	select_one payment_unit
	Unit of wages paid to hired labour for applying	C Per day per person 1
	\${d3_name} in dose#2	© Per hour per person 2
		○ Total 3
		other.o
NI	d14_3_o_2	text
IN	Other unit of wage payment	IEAL
	Other unit of wage payment	
N	d14 4 2	select one yesno
	Did you pay wages in kind to hired labour for	O No 0
	applying \${d3_name} in dose#2?	O Yes 1
N.I		
IN	d14_5_2	select_multiple wages_kind
	Wages paid in kind to hired labour for applying	☐ breakfast 1
	\${d3_name} in dose#2	☐ lunch 2
		☐ Tea 3
		☐ Extra tip 4
		□ other .o
N	d14_5_o_2	text other .o
N	d14_5_o_2 Other wages paid in kind to hired labour	
N	d14_5_o_2 Other wages paid in kind to hired labour	
	Other wages paid in kind to hired labour	text
	Other wages paid in kind to hired labour d14_6_2	text
	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind	text
N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not	text
N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember	decimal select_one payment_unit
N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2	decimal select_one payment_unit Per day per person 1
N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for	text decimal select_one payment_unit Per day per person 1 Per hour per person 2
N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2	decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2?	decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2?	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was	decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2?	decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1
N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not	decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1
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N N N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2	decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1
N N N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal
N N N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2?	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal
N N N N	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal
Z Z Z Z	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal
Z Z Z Z	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d16_2	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal select_one yesnodk
Z Z Z Z	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d16_2 Were you able to apply optimal amount of	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal decimal select_one yesnodk no 0
Z Z Z Z	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d16_2	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal decimal select_one yesnodk no 0 yes 1
2 2 2 2 2	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d16_2 Were you able to apply optimal amount of \${d3_name} in \${plot_name} for dose#2?	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal select_one yesnodk on 0 0 yes 1 odoes not know/remember .d
2 2 2 2 2	Other wages paid in kind to hired labour d14_6_2 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_2 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2 d15_2 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2? d15_1_2 In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d15_1_g_2 In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? Please enter "-888" if respondent Does not know/remember d16_2 Were you able to apply optimal amount of	text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno No 0 Yes 1 decimal decimal select_one yesnodk no 0 yes 1

	dose#2?	☐ too costly 2
	Surveyor, do not read out the options to farmers	☐ not necessary 3
		no access 4
		advice from agro-dealer 5
		advice from other farmer 6
N I	410.1.0.0	text other .o
IN	d16_1_o_2	lext out to
	Other reason for not using optimal amount of \${d3_name} in dose#2	
	φ(do_name) in dose#2	
N	d7 3	select_one crop_stage
	At what crop stage did you apply apply \${d3_name}	© Before sowing 1
	in dose #3?	At time of sowing 2
		C After sowing 3
NI	d7_1_3	decimal
	What was the duration from sowing/after sowing of	decimal
	cotton crop in \${plot_name} at which you applied	
	dose#3 of \${d3_name}	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d7_2_3	select_one crop_stage_unit
	Unit of duration from sowing/after sowing	O Day 1
		© Week 2
		○ Month 3
		○ Others .o
N	d7_2_o_3	text
	Other crop stage	
Ν	d8_3	decimal
	How much \${d3_name} did you use in dose #3 ?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d8_1_3	select_one fertilizers_units
	Units of \${d3_name} in dose#3	○ kilogram 1
	Please select the units for \${d3_name}	O liter 2
		○ gram 3
		o mililiter 4
		○ bag 5
		C does not know/remember .d
Ν	d8_1_1_3	select_one bagsize_units
	Units of bag size	C 25 Kilogram 1
	Please select the units of bag size	
		○ others .o
		odoes not know/remember.d
N	d8_1_1_o_3	text
	Other bag size	
Ν	d8_2_3	select_one yesno
	Is there a second unit in which you applied	○ No 0
	\${d3_name} in dose#3?	○ Yes 1
Ν	d8_3_3	decimal
	How much \${d3_name} did you use in dose #3	
	(second unit)?	
	Please enter "-888" if respondent Does not	
N.I.	know/remember	aclest one feetiliness write
IN	d8_3_1_3	select_one fertilizers_units
	Units of \${d3_name} in dose#3 (second unit)	O kilogram 1
		O liter 2
		O gram 3
		C mililiter 4
		C milliter 4 C bag 5 C does not know/remember.d

Ν	d8_3_2_3	select_one bagsize_units
	Units of bag size (second unit)	C 25 Kilogram 1
		C 45 Kilogram 2
		© 50 Kilogram 3
		C 75 Kilogram 4
		O others .o
		C does not know/remember .d
N	d8_3_2_o_3	text
	Other bag size	tokt
	Cition 54g 6/25	
N	d9_3	select_one yesnodk
	Was the \${d3_name} in dose#3 mixed with any other	C no 0
	fertilizer at time of application?	○ yes 1
		C does not know/remember .d
N	d9_1_3	select_multiple fertilizers
	Name of the fertilizer with which \${d3_name} in	□ Urea 1
	dose#3 was mixed	☐ Ammonium Sulphate 2
		□ DAP 3
		□ SSP 4
		☐ MOP 5
		□ NPK 20-20-0 6
		□ NPK 20-20-13 7
		□ NPK 20-20-13 /
		□ NPK 20-20-20 8
		□ NPK 12-32-16 10
		□ NPK 19-19-19 11
		☐ NPK 15-15-15 12
		☐ Other NPK 13
		☐ Iron 14
		☐ Zinc 15
		☐ Sulphur 16
		Other fertilizer 17
N	d9_1_o_3	text
	Name of other fertilizer which was mixed with dose#3 of \${d3_name}	
	d9_1_npk_3	text
IN	Name of other NPK fertilizer which was mixed with	IGAL
	dose#3 of \${d3_name}	
	d10_3	decimal
	How much time did it take to apply \${d3_name} in	
	dose#3?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d10_1_3	select_one time_unit
	Unit of time taken to apply \${d3_name} in dose#3	© Day 1
		C Hour 2
		Other .o
	d10_1_o_3	text
	Other unit of time taken to apply \${d3_name} in	
	dose#3	
N	d11_3	integer
	How many people were used for applying	
	\${d3_name} in dose#3	
	Please enter "-888" if respondent Does not know/remember	
N	d11_1_3	integer
	How many people were used for applying	
	\${d3_name} in dose#3 were male?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d11_2_3	integer
	How many people were used for applying	
	\${d3_name} in dose#3 were female?	

	Please enter "-888" if respondent Does not	
N	ัชกอพ/remember	select_multiple labour
	Please share whether the labour used for applying	 ☐ Family labour 1
	\${d3_name} in dose#3 were family members or hired	☐ Exchange labour 2
	labour.	☐ Labour Contract 3
		☐ Hired labour 4
		other .o
N	d13_1_3	integer
	How many men were hired for applying \${d3_name}	integer
	in dose#3?	
	Please enter "-888" if respondent Does not	
	know/remember	
	110.0.0	
IN	d13_2_3	integer
	How many women were hired for applying \${d3_name} in dose#3?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d14_1_3	decimal
	Wages paid to hired male labour for applying	
	\${d3_name} in dose#3	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d14_2_3	decimal
	Wages paid to hired female labour for applying	
	\${d3_name} in dose#3	
	Please enter "-888" if respondent Does not know/remember	
N	d14 3 3	select_one payment_unit
	Unit of wages paid to hired labour for applying	© Per day per person 1
	\${d3_name} in dose#3	Per hour per person 2
	, - ,	C Total 3
		O other .o
N	d14_3_o_3	text
	Other unit of wage payment	OA.
	outer and or mage payment	
Ν	d14_4_3	select_one yesno
	Did you pay wages in kind to hired labour for	
		O No 0
	applying \${d3_name} in dose#3?	O No 0 O Yes 1
N		
N	applying \${d3_name} in dose#3?	O Yes 1
N	applying \${d3_name} in dose#3? d14_5_3	C Yes 1 select_multiple wages_kind
N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying	○ Yes 1 select_multiple wages_kind □ breakfast 1
N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2
Ν	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3
	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4
	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3	© Yes 1 select_multiple wages_kind breakfast 1 lunch 2 Tea 3 Extra tip 4 other .o
Ν	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour	© Yes 1 select_multiple wages_kind breakfast 1 lunch 2 Tea 3 Extra tip 4 other .o
Ν	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3	© Yes 1 select_multiple wages_kind breakfast 1 lunch 2 Tea 3 Extra tip 4 other .o
Ν	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o
Ν	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for	c Yes 1 select_multiple wages_kind breakfast 1 lunch 2 Tea 3 Extra tip 4 other .o text decimal select_one payment_unit Per day per person 1
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit © Per day per person 1 © Per hour per person 2
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit ○ Per day per person 1 ○ Per hour per person 2 ○ Total 3
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#3	c Yes 1 select_multiple wages_kind breakfast 1 lunch 2 Tea 3 Extra tip 4 other .o text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#3	c Yes 1 select_multiple wages_kind breakfast 1 lunch 2 Tea 3 Extra tip 4 other .o text decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o select_one yesno
N N	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#3 d15_3 Was the \${d3_name} applied in entire area of	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit ○ Per day per person 1 ○ Per hour per person 2 ○ Total 3 ○ other .o select_one yesno ○ No 0
2 2 2	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#3 d15_3 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#3?	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit ○ Per day per person 1 ○ Per hour per person 2 ○ Total 3 ○ other .o select_one yesno ○ No 0 ○ Yes 1
2 2 2	applying \$\(d3_name\) in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \$\(d3_name\) in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for \$\(d3_name\) applied in dose#3 d15_3 Was the \$\(d3_name\) applied in entire area of \$\(\ext{plot_name}\) plot for dose#3? d15_1_3	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit ○ Per day per person 1 ○ Per hour per person 2 ○ Total 3 ○ other .o select_one yesno ○ No 0
2 2 2	applying \${d3_name} in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \${d3_name} in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#3 d15_3 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#3? d15_1_3 In how many \${a1_1_lbl} of \${plot_name} plot was	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit ○ Per day per person 1 ○ Per hour per person 2 ○ Total 3 ○ other .o select_one yesno ○ No 0 ○ Yes 1
2 2 2	applying \$\(d3_name\) in dose#3? d14_5_3 Wages paid in kind to hired labour for applying \$\(d3_name\) in dose#3 d14_5_o_3 Other wages paid in kind to hired labour d14_6_3 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember d14_7_3 Unit of wages in kind paid to hired labour for \$\(d3_name\) applied in dose#3 d15_3 Was the \$\(d3_name\) applied in entire area of \$\(\ext{plot_name}\) plot for dose#3? d15_1_3	© Yes 1 select_multiple wages_kind □ breakfast 1 □ lunch 2 □ Tea 3 □ Extra tip 4 □ other .o text decimal select_one payment_unit ○ Per day per person 1 ○ Per hour per person 2 ○ Total 3 ○ other .o select_one yesno ○ No 0 ○ Yes 1

	know/remember	
Ν	d15_1_g_3	decimal
	In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#3?	
	Please enter "-888" if respondent Does not know/remember	
Ν	d16_3	select_one yesnodk
	Were you able to apply optimal amount of	C no 0
	\${d3_name} in \${plot_name} for dose#3?	C yes 1
		O does not know/remember.d
		does not know/remember .d
Ν	d16_1_3	select_multiple nonoptimal
	Why were you not able to apply the optimal amount	□ no money 1
	of \${d3_name} for your cotton in \${plot_name} in	too costly 2
	dose#3?	not necessary 3
	Surveyor, do not read out the options to farmers	no access 4
		advice from agro-dealer 5
		advice from other farmer 6
		□ other .o
Ν	d16_1_o_3	text
	Other reason for not using optimal amount of	
	\${d3_name} in dose#3	
Ν	d7_4	select_one crop_stage
	At what crop stage did you apply apply \${d3_name}	○ Before sowing 1
	in dose #4 ?	C At time of sowing 2
N		decimal
	What was the duration from sowing/after sowing of	
	cotton crop in \${plot_name} at which you applied	
	dose#4 of \${d3_name}	
	Please enter "-888" if respondent Does not	
	know/remember	
	17. O. 4	
Ν	d7_2_4	select_one crop_stage_unit
N		_
N	d/_2_4 Unit of duration from sowing/after sowing	C Day 1
N		O Day 1 O Week 2
N		O Day 1 O Week 2 O Month 3
	Unit of duration from sowing/after sowing	O Day 1 O Week 2 O Month 3 O Others .0
	Unit of duration from sowing/after sowing d7_2_o_4	O Day 1 O Week 2 O Month 3
	Unit of duration from sowing/after sowing	O Day 1 O Week 2 O Month 3 O Others .0
N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage	O Day 1 O Week 2 O Month 3 O Others .0
N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4	O Day 1 O Week 2 O Month 3 O Others :0
N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ?	O Day 1 O Week 2 O Month 3 O Others :0
N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4	O Day 1 O Week 2 O Month 3 O Others :0
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not	O Day 1 O Week 2 O Month 3 O Others :0
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4	O Day 1 O Week 2 O Month 3 O Others .0 text decimal
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4	C Day 1 C Week 2 C Month 3 C Others to text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name}	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4	C Day 1 C Week 2 C Month 3 C Others .o text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4 C bag 5 C does not know/remember .d select_one bagsize_units
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4	C Day 1 C Week 2 C Month 3 C Others to text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4 C bag 5 C does not know/remember to select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4
N N	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4 C others .0
Z Z Z	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size Please select the units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4
Z Z Z	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size Please select the units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4 C others .0
Z Z Z	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size Please select the units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4 C others .0 C does not know/remember .d
2 2 2 2	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size Please select the units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4 C others .0 C does not know/remember .d text
2 2 2 2	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size Please select the units of bag size d8_1_1_4 Other bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4 C others .0 C does not know/remember .d select_one yesno
2 2 2 2	Unit of duration from sowing/after sowing d7_2_o_4 Other crop stage d8_4 How much \${d3_name} did you use in dose #4 ? Please enter "-888" if respondent Does not know/remember d8_1_4 Units of \${d3_name} in dose#4 Please select the units for \${d3_name} d8_1_1_4 Units of bag size Please select the units of bag size	C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5 C does not know/remember .d select_one bagsize_units C 25 Kilogram 1 C 45 Kilogram 2 C 50 Kilogram 3 C 75 Kilogram 4 C others .0 C does not know/remember .d text

	d8_3_4	decimal
	How much \${d3_name} did you use in dose #4	
	(second unit)?	
	Please enter "-888" if respondent Does not know/remember	
	d8_3_1_4	select_one fertilizers_units
	Units of \${d3_name} in dose#4 (second unit)	isologicam 1
		© liter 2
		© gram 3
		© mililiter 4
		O bag 5
		O does not know/remember.d
	d8_3_2_4	select_one bagsize_units
	Units of bag size (second unit)	C 25 Kilogram 1
		O 45 Kilogram 2
		○ 50 Kilogram 3
		○ 75 Kilogram 4
		others.o
		odoes not know/remember .d
	d8_3_2_o_4	text
	Other bag size	
N	d9 4	select_one yesnodk
	Was the \${d3_name} in dose#4 mixed with any other	C no 0
	fertilizer at time of application?	O yes 1
		C does not know/remember .d
N	d9_1_4	select_multiple fertilizers
	Name of the fertilizer with which \${d3_name} in	☐ Urea 1
	dose#4 was mixed	☐ Ammonium Sulphate 2
		□ DAP 3
		☐ SSP 4
		MOP 5
		☐ NPK 20-20-20 8
		☐ NPK 12-32-16 10
		☐ NPK 19-19-19 11
		☐ NPK 15-15-15 12
		☐ Other NPK 13
		☐ Iron 14
		☐ Zinc 15
		☐ Sulphur 16
		☐ Other fertilizer 17
	d9_1_o_4	text
	Name of other fertilizer which was mixed with	
	dose#4 of \${d3_name} d9_1_npk_4	text
	Name of other NPK fertilizer which was mixed with	IGAL
	dose#4 of \${d3_name}	
	d10_4	decimal
	How much time did it take to apply \${d3_name} in	
	dose#4?	
	Please enter "-888" if respondent Does not	
	know/remember	
	d10_1_4	select_one time_unit
	Unit of time taken to apply \${d3_name} in dose#4	O Day 1
		O Hour 2
		Other .o
	d10_1_o_4	text
	Other unit of time taken to apply \${d3_name} in dose#4	
	000011 ⁻ T	

N	d11_4	integer
	How many people were used for applying	
	\${d3_name} in dose#4	
	Please enter "-888" if respondent Does not	
Ν	know/remember d11_1_4	integer
	How many people were used for applying	
	\${d3_name} in dose#4 were male?	
	Please enter "-888" if respondent Does not	
	know/remember	* •
N	d11_2_4	integer
	How many people were used for applying \${d3_name} in dose#4 were female?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d12_4	select_multiple labour
	Please share whether the labour used for applying	☐ Family labour 1
	\${d3_name} in dose#4 were family members or hired labour.	□ Exchange labour 2
	idoodi.	☐ Labour Contract 3
		☐ Hired labour 4
		□ other .o
N	d13_1_4	integer
	How many men were hired for applying \${d3_name} in dose#4?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d13_2_4	integer
	How many women were hired for applying	
	\${d3_name} in dose#4?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d14_1_4	decimal
	Wages paid to hired male labour for applying \${d3_name} in dose#4	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d14_2_4	decimal
	Wages paid to hired female labour for applying	
	\${d3_name} in dose#4	
	Please enter "-888" if respondent Does not	
N.I	know/remember	
IN	d14_3_4	select_one payment_unit
	Unit of wages paid to hired labour for applying \${d3_name} in dose#4	Per day per person 1Per hour per person 2
	v(as) assem	© Total 3
		o other.o
NI	d14_3_o_4	text
IV	Other unit of wage payment	ioni
	zama a maga paymont	
Ν	d14_4_4	select_one yesno
	Did you pay wages in kind to hired labour for	C No o
	applying \${d3_name} in dose#4?	C Yes 1
N	d14_5_4	select_multiple wages_kind
	Wages paid in kind to hired labour for applying	□ breakfast 1
	\${d3_name} in dose#4	☐ lunch 2
		☐ Tea 3
		☐ Extra tip 4
		□ other .o
N	d14_5_o_4	text
	Other wages paid in kind to hired labour	
NI	d14_6_4	decimal
IN	Total value of money for wages in kind	deciria
	Please enter "-888" if respondent Does not	
	know/remember	

Ν	d14_7_4	select_one payment_unit
	Unit of wages in kind paid to hired labour for	○ Per day per person 1
	\${d3_name} applied in dose#4	© Per hour per person 2
		○ Total 3
		other.o
N	d15_4	select_one yesno
	Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#4?	C No o
N.I		C Yes 1
IN	d15_1_4 In how many \${a1_1_lbl} of \${plot_name} plot was	decimal
	the \${d3_name} applied for dose#4?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d15_1_g_4	decimal
	In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#4?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d16_4	select_one yesnodk
	Were you able to apply optimal amount of	O no 0
	\${d3_name} in \${plot_name} for dose#4?	O yes 1
		o does not know/remember .d
Ν	d16_1_4 Why were you not able to apply the optimal amount	select_multiple nonoptimal
	of \${d3_name} for your cotton in \${plot_name} in	☐ no money 1 ☐ too costly 2
	dose#4?	not necessary 3
	Surveyor, do not read out the options to farmers	no access 4
		advice from agro-dealer 5
		advice from other farmer 6
		□ other .o
Ν	d16_1_o_4	text
	Other reason for not using optimal amount of	
	Φ(-10) :1	
NI	\${d3_name} in dose#4	solect one grap stage
N	d7_5	select_one crop_stage • Refore sowing 1
N		select_one crop_stage © Before sowing 1 © At time of sowing 2
N	d7_5 At what crop stage did you apply apply \${d3_name}	○ Before sowing 1
	d7_5 At what crop stage did you apply apply \${d3_name}	Before sowing 1At time of sowing 2
	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of	C Before sowing 1 C At time of sowing 2 C After sowing 3
	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied	C Before sowing 1 C At time of sowing 2 C After sowing 3
	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name}	C Before sowing 1 C At time of sowing 2 C After sowing 3
	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied	C Before sowing 1 C At time of sowing 2 C After sowing 3
N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit
N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1
N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5	© Before sowing 1 © At time of sowing 2 © After sowing 3 decimal select_one crop_stage_unit © Day 1 © Week 2
N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5	© Before sowing 1 © At time of sowing 2 © After sowing 3 decimal select_one crop_stage_unit © Day 1 © Week 2 © Month 3
N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing	© Before sowing 1 © At time of sowing 2 © After sowing 3 decimal select_one crop_stage_unit © Day 1 © Week 2 © Month 3 © Others .0
N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing	© Before sowing 1 © At time of sowing 2 © After sowing 3 decimal select_one crop_stage_unit © Day 1 © Week 2 © Month 3
N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing	© Before sowing 1 © At time of sowing 2 © After sowing 3 decimal select_one crop_stage_unit © Day 1 © Week 2 © Month 3 © Others .0
N N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage	© Before sowing 1 © At time of sowing 2 © After sowing 3 decimal select_one crop_stage_unit © Day 1 © Week 2 © Month 3 © Others .0
N N	d7_5 At what crop stage did you apply apply \$\{d3_name\}\ in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \$\{plot_name\}\ at which you applied dose#5 of \$\{d3_name\}\ Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_0_5 Other crop stage d8_5 How much \$\{d3_name\}\ did you use in dose #5?	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .0 text
N N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .0 text
N N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage d8_5 How much \${d3_name} did you use in dose #5? Please enter "-888" if respondent Does not	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .0 text
N N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage d8_5 How much \${d3_name} did you use in dose #5? Please enter "-888" if respondent Does not know/remember	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .o text decimal
N N	d7_5 At what crop stage did you apply apply \${d3_name} in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#5 of \${d3_name} Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage d8_5 How much \${d3_name} did you use in dose #5? Please enter "-888" if respondent Does not know/remember d8_1_5	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units
N N	d7_5 At what crop stage did you apply apply \$\{d3_name\}\ in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \$\{plot_name\}\ at which you applied dose#5 of \$\{d3_name\}\ Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage d8_5 How much \$\{d3_name\}\ did you use in dose #5? Please enter "-888" if respondent Does not know/remember d8_1_5 Units of \$\{d3_name\}\ in dose#5	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3
N N	d7_5 At what crop stage did you apply apply \$\{d3_name\}\ in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \$\{plot_name\}\ at which you applied dose#5 of \$\{d3_name\}\ Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage d8_5 How much \$\{d3_name\}\ did you use in dose #5? Please enter "-888" if respondent Does not know/remember d8_1_5 Units of \$\{d3_name\}\ in dose#5	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .o text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4
N N	d7_5 At what crop stage did you apply apply \$\{d3_name\}\ in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \$\{plot_name\}\ at which you applied dose#5 of \$\{d3_name\}\ Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage d8_5 How much \$\{d3_name\}\ did you use in dose #5? Please enter "-888" if respondent Does not know/remember d8_1_5 Units of \$\{d3_name\}\ in dose#5	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .0 text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C milliliter 4 C bag 5
2 2 2 2	d7_5 At what crop stage did you apply apply \$\{d3_name\}\ in dose #5? d7_1_5 What was the duration from sowing/after sowing of cotton crop in \$\{plot_name\}\ at which you applied dose#5 of \$\{d3_name\}\ Please enter "-888" if respondent Does not know/remember d7_2_5 Unit of duration from sowing/after sowing d7_2_o_5 Other crop stage d8_5 How much \$\{d3_name\}\ did you use in dose #5? Please enter "-888" if respondent Does not know/remember d8_1_5 Units of \$\{d3_name\}\ in dose#5	C Before sowing 1 C At time of sowing 2 C After sowing 3 decimal select_one crop_stage_unit C Day 1 C Week 2 C Month 3 C Others .o text decimal select_one fertilizers_units C kilogram 1 C liter 2 C gram 3 C mililiter 4

	Units of bag size	C 25 Kilogram 1
	Please select the units of bag size	
		€ 75 Kilogram 4
		O others .o
		O does not know/remember.d
N.I	d0 1 1 a E	
IN	d8_1_1_o_5	text
	Other bag size	
NI	d8_2_5	coloct one years
IN		select_one yesno
	Is there a second unit in which you applied	© No 0
	\${d3_name} in dose#5?	C Yes 1
	10.0.5	ale sies al
IN	d8_3_5	decimal
	How much \${d3_name} did you use in dose #5	
	(second unit)?	
	Please enter "-888" if respondent Does not know/remember	
		and and the order of the order
N	d8_3_1_5	select_one fertilizers_units
	Units of \${d3_name} in dose#5 (second unit)	○ kilogram 1
		C liter 2
		C gram 3
		O mililiter 4
		○ bag 5
		C does not know/remember.d
N	d8_3_2_5	select_one bagsize_units
14		
	Units of bag size (second unit)	C 25 Kilogram 1
		O 45 Kilogram 2
		○ 50 Kilogram 3
		○ others .o ○
		o does not know/remember.d
		C does not know/remember .d
N	d8_3_2_o_5	text
N	d8_3_2_o_5 Other bag size	
N		
	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other	text
	Other bag size d9_5	text select_one yesnodk
	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other	select_one yesnodk C no 0
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application?	select_one yesnodk one of the contract of the
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5	select_one yesnodk ono o yes 1 does not know/remember.d select_multiple fertilizers
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application?	select_one yesnodk onoo yes 1 does not know/remember.d select_multiple fertilizers Urea 1
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	text select_one yesnodk no 0 yes 1 does not know/remember.d select_multiple fertilizers Urea 1 Ammonium Sulphate 2
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk onoo yes 1 odoes not know/remember.d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 yes 1 does not know/remember.d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk onoo yes 1 does not know/remember.d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk onoo yes 1 does not know/remember.d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-20 8
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 o yes 1 o does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-20 8 NPK 20-20-0-13 9
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 o yes 1 o does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 7 NPK 20-20-013 9 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 o yes 1 o does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 9 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 9 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in	select_one yesnodk o no 0 o yes 1 o does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 7 NPK 20-20-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in dose#5 was mixed	select_one yesnodk
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in dose#5 was mixed	select_one yesnodk o no 0 o yes 1 o does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 7 NPK 20-20-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in dose#5 was mixed d9_1_0_5 Name of other fertilizer which was mixed with	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 9 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16 Other fertilizer 17
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in dose#5 was mixed d9_1_0_5 Name of other fertilizer which was mixed with dose#5 of \${d3_name}	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 9 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16 Other fertilizer 17
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in dose#5 was mixed d9_1_o_5 Name of other fertilizer which was mixed with dose#5 of \${d3_name} d9_1_npk_5	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 9 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16 Other fertilizer 17
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in dose#5 was mixed d9_1_o_5 Name of other fertilizer which was mixed with dose#5 of \${d3_name} d9_1_npk_5 Name of other NPK fertilizer which was mixed with	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 7 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16 Other fertilizer 17 text
N	Other bag size d9_5 Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application? d9_1_5 Name of the fertilizer with which \${d3_name} in dose#5 was mixed d9_1_o_5 Name of other fertilizer which was mixed with dose#5 of \${d3_name} d9_1_npk_5	select_one yesnodk o no 0 yes 1 does not know/remember .d select_multiple fertilizers Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 7 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16 Other fertilizer 17 text

N	d10_5	decimal
	How much time did it take to apply \${d3_name} in	
	dose#5?	
	Please enter "-888" if respondent Does not	
N.I	know/remember	
IN	d10_1_5	select_one time_unit
	Unit of time taken to apply \${d3_name} in dose#5	C Day 1
		O Hour 2
		Other .o
N	d10_1_o_5	text
	Other unit of time taken to apply \${d3_name} in	
	dose#5	
N	d11_5	integer
	How many people were used for applying	
	\${d3_name} in dose#5	
	Please enter "-888" if respondent Does not know/remember	
NI	d11_1_5	intogor
IN	How many people were used for applying	integer
	\${d3_name} in dose#5 were male?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d11_2_5	integer
	How many people were used for applying	
	\${d3_name} in dose#5 were female?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d12_5	select_multiple labour
	Please share whether the labour used for applying	☐ Family labour 1
	\${d3_name} in dose#5 were family members or hired labour.	□ Exchange labour 2
	labour.	☐ Labour Contract 3
		☐ Hired labour 4
		□ other.o
N	d13_1_5	
N	How many men were hired for applying \${d3_name}	other .o
N	How many men were hired for applying \${d3_name} in dose#5?	other .o
N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not	other .o integer
	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember	other .o integer
	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5	other .o integer
	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying	other .o integer
	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5?	other .o integer
	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying	other .o integer
N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not	other .o integer
N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying	integer integer
N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5	integer integer
N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not	integer integer
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember	integer integer decimal
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_1_5	integer integer
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying	integer integer decimal
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5	integer integer decimal
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying	integer integer decimal
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not	integer integer decimal
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember	integer integer decimal decimal select_one payment_unit
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5	integer integer decimal decimal
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5 Unit of wages paid to hired labour for applying	integer integer decimal decimal select_one payment_unit Per day per person 1
N N	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5 Unit of wages paid to hired labour for applying	integer integer decimal decimal select_one payment_unit Per day per person 1 Per hour per person 2
2 2 2	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5 Unit of wages paid to hired labour for applying	integer integer decimal decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3
2 2 2	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5	integer decimal decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o
2 2 2 2	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5 Other unit of wage payment	integer decimal decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o
2 2 2 2	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5	integer decimal decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o
2 2 2 2	How many men were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d13_2_5 How many women were hired for applying \${d3_name} in dose#5? Please enter "-888" if respondent Does not know/remember d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_2_5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5 Please enter "-888" if respondent Does not know/remember d14_3_5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5 Other unit of wage payment	integer integer decimal decimal select_one payment_unit Per day per person 1 Per hour per person 2 Total 3 other .o text

N	d14_5_5	select_multiple wages_kind
	Wages paid in kind to hired labour for applying	□ breakfast 1
	\${d3_name} in dose#5	☐ lunch 2
		☐ Tea 3
		Extra tip 4
		□ other .o
N	d14_5_o_5	text
	Other wages paid in kind to hired labour	
	* '	
Ν	d14_6_5	decimal
	Total value of money for wages in kind	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d14_7_5	select_one payment_unit
	Unit of wages in kind paid to hired labour for	○ Per day per person 1
	\${d3_name} applied in dose#5	© Per hour per person 2
		○ Total 3
		O other .o
Ν	d15_5	select_one yesno
	Was the \${d3_name} applied in entire area of	© No 0
	\${plot_name} plot for dose#5?	○ Yes 1
Ν	d15_1_5	decimal
	In how many \${a1_1_lbl} of \${plot_name} plot was	
	the \${d3_name} applied for dose#5?	
	Please enter "-888" if respondent Does not know/remember	
N	d15_1_g_5	decimal
IN	In how many guntha of \${plot_name} plot was the	decimal
	\${d3_name} applied for dose#5?	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d16_5	select_one yesnodk
	Were you able to apply optimal amount of	C no 0
	\${d3_name} in \${plot_name} for dose#5?	C yes 1
		○ does not know/remember .d
Ν	d16_1_5	select_multiple nonoptimal
	Why were you not able to apply the optimal amount	☐ no money 1
	of \${d3_name} for your cotton in \${plot_name} in	too costly 2
	dose#5? Surveyor, do not read out the options to farmers	☐ not necessary 3
	Surveyor, do not read out the options to farmers	no access 4
		☐ advice from agro-dealer 5
		☐ advice from other farmer 6
		□ other .o
Ν	d16_1_o_5	text
	Other reason for not using optimal amount of	
N	\${d3_name} in dose#5 d7_6	select_one crop_stage
IN	At what crop stage did you apply apply \${d3_name}	© Before sowing 1
	in dose #6?	C At time of sowing 2
		At time of sowing 2 After sowing 3
N	d7_1_6	decimal
IN	What was the duration from sowing/after sowing of	decimal
	cotton crop in \${plot_name} at which you applied	
	dose#6 of \${d3_name}	
	Please enter "-888" if respondent Does not	
	know/remember	
Ν	d7_2_6	select_one crop_stage_unit
	Unit of duration from sowing/after sowing	O Day 1
		O Week 2
		O Month 3
		Others .o
N	d7_2_o_6	text
	Other crop stage	

N	d8_6 How much \${d3_name} did you use in dose #6 ?	d
	Please enter "-888" if respondent Does not know/remember	
N	d8_1_6	select_one fertilizers_units
	Units of \${d3_name} in dose#6	
		C kilogram 1
	Please select the units for \${d3_name}	○ liter 2
		○ gram 3
		○ bag 5
		C does not know/remember.d
N I	40.4.4.0	
IN	d8_1_1_6	select_one bagsize_units
	Units of bag size	C 25 Kilogram 1
	Please select the units of bag size	C 45 Kilogram 2
		○ 75 Kilogram 4
		○ others .o
		C does not know/remember.d
		does not know/remember .d
	d8_1_1_o_6	text
	Other bag size	
N	d8 2 6	select_one yesno
•	Is there a second unit in which you applied	© No 0
	\${d3_name} in dose#6?	
		○ Yes 1
N	d8_3_6	decimal
	How much \${d3_name} did you use in dose #6	
	(second unit)?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d8_3_1_6	select_one fertilizers_units
	Units of \${d3_name} in dose#6 (second unit)	○ kilogram 1
		C liter 2
		O mililiter 4
		○ bag 5
		C does not know/remember.d
N		select_one bagsize_units
	Units of bag size (second unit)	
	Office of pag size (second drift)	C 25 Kilogram 1
		C 45 Kilogram 2
		○ 50 Kilogram 3
		○ 75 Kilogram 4
		○ others .o
N	d8_3_2_o_6	text
	Other bag size	
	d9_6	select_one yesnodk
	Was the \${d3_name} in dose#6 mixed with any other	C no 0
	fertilizer at time of application?	C yes 1
		C does not know/remember .d
N	d9_1_6	select_multiple fertilizers
	Name of the fertilizer with which \${d3_name} in	☐ Urea 1
	dose#6 was mixed	Ammonium Sulphate 2
		☐ DAP 3
		SSP 4
		
		MOP 5
		☐ NPK 20-20-0 6
		☐ NPK 20-20-13 7
		☐ NPK 20-20-20 8
		☐ NPK 20-20-0-13 9
		□ NPK 12-32-16 10

		Other NPK 13
		☐ Iron 14
		☐ Zinc 15
		☐ Sulphur 16
		☐ Other fertilizer 17
N	d9 1 o 6	text
	Name of other fertilizer which was mixed with	
	dose#6 of \${d3_name}	
N	d9_1_npk_6	text
	Name of other NPK fertilizer which was mixed with	
	dose#6 of \${d3_name}	
N	d10 6	decimal
	How much time did it take to apply \${d3_name} in	
	dose#6?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d10_1_6	select_one time_unit
	Unit of time taken to apply \${d3_name} in dose#6	○ Day 1
	, , = ,	C Hour 2
		O Other .o
NI	d10_1_o_6	text
IN		text
	Other unit of time taken to apply \${d3_name} in dose#6	
NI	d11_6	integer
IN	_	integer
	How many people were used for applying \${d3_name} in dose#6	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d11_1_6	integer
	How many people were used for applying	integer
	\${d3_name} in dose#6 were male?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d11_2_6	integer
	How many people were used for applying	
	\${d3_name} in dose#6 were female?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d12_6	select_multiple labour
	Please share whether the labour used for applying	□ Family labour 1
	\${d3_name} in dose#6 were family members or hired	□ Exchange labour 2
	labour.	☐ Labour Contract 3
		☐ Hired labour 4
		□ other.o
N	d13 1 6	integer
	How many men were hired for applying \${d3_name}	, . 9
	in dose#6?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d13_2_6	integer
	How many women were hired for applying	
	\${d3_name} in dose#6?	
	Please enter "-888" if respondent Does not	
	know/remember	
N	d14_1_6	decimal
	Wages paid to hired male labour for applying	
	\${d3_name} in dose#6	
	Please enter "-888" if respondent Does not	
	know/remember	destroid.
N	d14_2_6	decimal
	Wages paid to hired female labour for applying	
	\${d3_name} in dose#6	
	Please enter "-888" if respondent Does not	

Ν	knowigemember	select_one	payment_unit
	Unit of wages paid to hired labour for applying	O Per da	ay per person 1
	\${d3_name} in dose#6	O Per ho	our per person 2
		C Total	
		other	.0
Ν	d14_3_o_6	text	
	Other unit of wage payment		
N	d14_4_6	select_one	VASTO
IN	Did you pay wages in kind to hired labour for	© No o	yesho
	applying \${d3_name} in dose#6?	O Yes 1	
N	d14_5_6	select_multiple wages_kind	
	Wages paid in kind to hired labour for applying	□ break	
	\${d3_name} in dose#6	☐ lunch	
		☐ Tea 3	
		□ Extra	tip 4
		□ other	.0
N	d14_5_o_6	text	
	Other wages paid in kind to hired labour		
	• 1		
Ν	d14_6_6	decimal	
	Total value of money for wages in kind		
	Please enter "-888" if respondent Does not know/remember		
N	d14_7_6	select_one	payment_unit
	Unit of wages in kind paid to hired labour for	_	ay per person 1
	\${d3_name} applied in dose#6		our per person 2
		C Total	
		o other	.0
N	d15_6	select_one	yesno
	Was the \${d3_name} applied in entire area of	O No o	
	\${plot_name} plot for dose#6?	O Yes 1	
Ν	d15_1_6	decimal	
	In how many \${a1_1_lbl} of \${plot_name} plot was		
	the \${d3_name} applied for dose#6? Please enter "-888" if respondent Does not		
	know/remember		
N	d15_1_g_6	decimal	
	In how many guntha of \${plot_name} plot was the	•	
	\${d3_name} applied for dose#6?		
	Please enter "-888" if respondent Does not know/remember		
N	d16 6	select_one	vesnodk
	Were you able to apply optimal amount of		, 333di.
	\${d3_name} in \${plot_name} for dose#6?	© yes 1	
		-	not know/remember .d
N	d16_1_6		tiple nonoptimal
	Why were you not able to apply the optimal amount	□ no mo	
	of \${d3_name} for your cotton in \${plot_name} in	too co	•
	dose#6?		ecessary 3
	Surveyor, do not read out the options to farmers	no ac	•
		☐ advice	e from agro-dealer 5
		-	e from other farmer 6
		□ other	.0
Ν	d16_1_o_6	text	
Other reason for not using optimal amount of			
	\${d3_name} in dose#6		nata
	re_e1 rould like to ask you a few questions about fertilizers. F	Please	note
respond if you do know the answer to the questions. It is		.5450	
	mpletely okay if you tell me that you do not know the a	nswer.	
e1			select_multiple nutrient
			Į

Ν

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	Which main nutrients are required by irrigated cotton for growth? Surveyor, do not read out the options to farmers e1_0 Other nutrients e2 Which of the following is main nutrient in UREA? Surveyor, do not read out the options to farmers	Nitrogen 1 Phosphorous 2 Potash 3 other .o does not know/remember .d -does not answer .r select_one nutrient Nitrogen 1 Phosphorous 2 Potash 3
N	e2_0	other.o does not know/remember.d does not answer.r
N	e3 Which of the following is main nutrient in DAP? Surveyor, do not read out the options to farmers	select_one nutrient C Nitrogen 1 C Phosphorous 2 C Potash 3 C other .o C does not know/remember .d C does not answer .r
N	e3_0 Other nutrients	text
	e4 Which of the following is main nutrient in MOP? Surveyor, do not read out the options to farmers	select_one nutrient C Nitrogen 1 C Phosphorous 2 C Potash 3 C other .o C does not know/remember .d C does not answer .r
IN	e4_0 Other nutrients	text
	e5 Which is the best fertilizer for applying nitrogen in the soil? Surveyor, do not read out the options to farmers e5_o_npk Other NPK fertilizer	select_multiple fertilizers_know Urea 1 Ammonium Sulphate 2 DAP 3 SSP 4 MOP 5 NPK 20-20-0 6 NPK 20-20-13 7 NPK 20-20-13 9 NPK 20-20-0-13 9 NPK 12-32-16 10 NPK 19-19-19 11 NPK 15-15-15 12 Other NPK 13 Iron 14 Zinc 15 Sulphur 16 Other fertilizer 17 does not know/remember .d
N	e5_0	text
	Other fertilizer	

NI	26	soloot multiple fortilizers know
IN	e6	select_multiple fertilizers_know
	Which is the best fertilizer for adding potash in the soil?	☐ Urea 1
	Surveyor, do not read out the options to farmers	☐ Ammonium Sulphate 2
		□ DAP 3
		☐ SSP 4
		☐ MOP 5
		☐ NPK 20-20-0 6
		□ NPK 20-20-13 7
		☐ NPK 20-20-20 8
		☐ NPK 20-20-0-13 9
		☐ NPK 12-32-16 10
		□ NPK 19-19-19
		☐ NPK 15-15-15 12
		☐ Other NPK 13
		□ Iron 14
		☐ Zinc 15
		☐ Sulphur 16
		☐ Other fertilizer 17
		☐ does not know/remember .d
Ν	e6_o_npk	text
	Other NPK fertilizer	
N	e6_o	text
	Other fertilizer	
	.7	and the state of the first of the state of t
N	e7	select_multiple fert_time
	When is zinc recommended to be applied during cotton cultivation	☐ At the time of sowing 1
	for irrigated cotton?	☐ 30 days after sowing 2
	Surveyor, do not read out the options to farmers	☐ 60 days after sowing 3
		☐ 90 days after sowing 4
		□ other .o
		☐ does not know/remember .d
Ν	e7 o	text
	Other fertilizer application time	
	outer to things approached thing	
Ν	e8	select_multiple fert_time
	When should Urea be applied in the soil for irrigated cotton?	☐ At the time of sowing 1
		_
	Surveyor, do not read out the options to farmers	☐ 30 days after sowing 2
		☐ 60 days after sowing 3
		☐ 90 days after sowing 4
		other.o
		does not know/remember .d
N	e8_o	text
	Other fertilizer application time	
N	e9	select_multiple fert_time
IN		'
	When should Urea be applied in the soil for un-irrigated cotton?	☐ At the time of sowing1
	Surveyor, do not read out the options to farmers	☐ 30 days after sowing 2
		☐ 60 days after sowing 3
		☐ 90 days after sowing 4
		_
		☐ does not know/remember .d
N	e9_o	text
	Other fertilizer application time	
N.	o10	palest multiple fort time-
IN	e10	select_multiple fert_time
	When should DAP be applied in the soil for cotton cultivation?	☐ At the time of sowing 1
	Surveyor, do not read out the options to farmers	☐ 30 days after sowing 2
		☐ 60 days after sowing 3
		☐ 90 days after sowing 4
		other .o
		☐ does not know/remember .d
Ν	e10_o	text

	Other fertilizer application time	
N	e11 When should MoP be applied in the soil for cotton cultivation? Surveyor, do not read out the options to farmers	select_multiple fert_time At the time of sowing 1 30 days after sowing 2 60 days after sowing 3 90 days after sowing 4 other.o does not know/remember.d
N	e11_o Other fertilizer application time	text
N	e12 What is the benefit of appling Urea to soil? Surveyor, do not read out the options to farmers	select_multiple fert_benefit More green 1 Increased height and more branches 2 More flowers 3 other .o does not know/remember .d
N	e12_0 Other fertilizer benefit	text
N	e13 What is the benefit of appling DAP to soil? Surveyor, do not read out the options to farmers	select_multiple fert_benefit More green 1 Increased height and more branches 2 More flowers 3 other.o does not know/remember.d
N	e13_o Other fertilizer benefit	text
N	e14 What is the benefit of appling Potash to soil? Surveyor, do not read out the options to farmers	select_multiple fert_benefit More green 1 Increased height and more branches 2 More flowers 3 other .o does not know/remember .d
N	e14_o Other fertilizer benefit	text
N	f1 Have you been receiving calls from KT with recommendations for crop production?	select_one yesno C No 0 C Yes 1
N C N	Please rate the calls in terms of their usefulness to you 1-5 rank, 1 not useful to 5 most useful string-length(.)=1 and regex(., '[1-5]')	integer
	Would you like to suggest any changes in KT Calls?	
	end1 Surveyor, please ensure that you have given signed consent form to the farmer end2	note
N.	Surveyor, if farmer has not started harvesting then plase inform them that we visit them again soon	note.
IN	end3 Surveyor, please ensure that you have given soil health card to the farmer	note
N	end4 We thankyou for your time	note