

# atai\_midline\_2018.xlsx

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

	First name	-----
N	x1_2_2 Middle name	text -----
N	x1_2_3 Last name	text -----
N	x1_2_4 What is the relation of respondent with \${name}? <i>Surveyor, do not read the list to farmer</i>	select_one relation <input type="radio"/> spouse 1 <input type="radio"/> parent 2 <input type="radio"/> child 3 <input type="radio"/> sibling 4 <input type="radio"/> grand parent 5 <input type="radio"/> other .0
N	x1_2_4_o Other relation	text -----
N	x1_3 Is the respondent's gender \${gender}?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	x1_3_1 What's the respondent's gender?	select_one gender <input type="radio"/> female 0 <input type="radio"/> male 1
N	x1_4 Is the primary mobile number of respondent: \${mobile_number}? <i>Note to surveyor: Confirm the number with the farmer. We want the respondent's primary number.</i>	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
	N	mob Mobile number
N	x1_4_1 What is the respondent's primary mobile number? <i>Use numbers only. If the farmer does not answer enter "9999999999"</i> C regex(., '[6789]\d{9}\$' ) M This is not a valid mobile number. Please check again	text -----
N	x1_4_2 Confirm respondent's primary mobile number C .=\${x1_4_1} M Numbers do not match. Please check.	text -----
N	x1_5 Is the district: \${district}?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	x1_5_1 Please select district	select_one district <input type="radio"/> Surendranagar 101 <input type="radio"/> Rajkot 102 <input type="radio"/> Morbi 103
N	x1_6 Is the block: \${block}?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	x1_6_1 Please select block	select_one block <input type="radio"/> Chuda 10102 <input type="radio"/> Muli 10103 <input type="radio"/> Vinchhiya 10201 <input type="radio"/> Jasdan 10205 <input type="radio"/> Morbi 10301 <input type="radio"/> Halvad 10303
N	x1_7 Is the village: \${village}?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	x1_7_1 Please select village	select_one village <input type="radio"/> bagthala 1030105 <input type="radio"/> baliya 1030106

☐ barvada 1030108  
☐ bhadla 1020502  
☐ bhalgamda 1030304  
☐ bhandariya 1020501  
☐ bhensjal 1010210  
☐ bugupur 1010201  
☐ chachka 1010209  
☐ chanchapar 1030101  
☐ chhatriyala 1010213  
☐ chokdi 1010205  
☐ dahisar 1020508  
☐ dhavana 1030302  
☐ digsar 1010313  
☐ dudhai 1010306  
☐ gadhadiya jam 1020511  
☐ gautamgadh 1010309  
☐ ghanshyamgadh 1030307  
☐ ghanshyampur 1030305  
☐ godavari 1010310  
☐ gokharvada 1010208  
☐ goraiya 1020108  
☐ hingolgadh 1020107  
☐ jasapar 1010301  
☐ jepur 1030109  
☐ juni morvad 1010206  
☐ kadiyana 1030313  
☐ karol 1010202  
☐ kavadiya 1030312  
☐ khadvavdi 1020503  
☐ khakhrala 1030110  
☐ khanpar 1030102  
☐ khevdiya 1030111  
☐ korda 1010203  
☐ kothi 1020506  
☐ kudla 1010207  
☐ kukada 1010307  
☐ limali 1010312  
☐ liya 1010303  
☐ lutawader 1030107  
☐ madava 1020512  
☐ mathak 1030301  
☐ mojidat 1010211  
☐ mota hadmatiya 1020102  
☐ mota matra 1020104  
☐ nana matra 1020103  
☐ nava devaliya 1030303  
☐ navi morvad 1010204  
☐ nesda 1030113  
☐ ori 1020101  
☐ parevada 1020507  
☐ patiyali 1020113  
☐ pipardi 1020111  
☐ polarpar 1020505  
☐ rajavadla 1020504  
☐ ramadiya 1020513  
☐ rangpar 1030104  
☐ raniapar 1020509  
☐ ranjitgadh\_h 1030311  
☐ ranjitgadh\_r 1020510  
☐ ranmalpur 1030310  
☐ rupavati 1020109  
☐ sadala 1010305

	<input type="radio"/> samadhiyala 1020105 <input type="radio"/> shekhpar 1010302 <input type="radio"/> somasar 1010308 <input type="radio"/> sukhpar 1030309 <input type="radio"/> thoriyali 1020110 <input type="radio"/> tikar_h 1030306 <input type="radio"/> tikar_m 1010304 <input type="radio"/> umarda 1010311 <input type="radio"/> vanala 1020112 <input type="radio"/> vangdhara 1020106 <input type="radio"/> vegadvav 1030308 <input type="radio"/> zobala 1010212
N x2_1 Select your ID	select_one surveyor <input type="radio"/> OMITTED 101
N x2_2 Select your Supervisor's ID	select_one supervisor <input type="radio"/> OMITTED 101
N start6 Now, we would like to give you a brief description of the study again and ask for your consent to participate in this survey. <i>Proceed to the consent form.</i>	note
N consent1 Does the farmer consent to the survey? <i>Surveyor, please read out consent script to farmer</i>	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N consent_no Please enter the reason why the farmer has refused to give consent and save the form.	text -----
N note_a1 We would like to ask you questions regarding use of \${plot_name} plot for farming in Kharif season of 2018	note
N a1 What is the total area of \${plot_name} plot? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N a1_1 Which unit do you use for area of \${plot_name}?	select_one area_unit <input type="radio"/> bigha 1 <input type="radio"/> acre 2 <input type="radio"/> hectare 3 <input type="radio"/> guntha 4 <input type="radio"/> does not know/remember .d
N a1_2 Is guntha used as secondary unit for land measurement by the farmer?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N temp0 What is the area of \${plot_name} in guntha? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N 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	note
N check_area Surveyor, have you entered area correctly?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N 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.	text -----
N a2 Did you sow cotton in the \${plot_name} plot in Kharif 2018? <i>Surveyor: if farmer says that he had sown crop but whole crop was lost then fill yes in this question and proceed</i>	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N note_a2 Surveyor please check whether you have entered sowing status	note

	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 Surveyor, have you entered sowing status correctly	select_one yesno  <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	a2_6_1 Why is the sowing status different between the survey done in August and now?	text -----
N	a2_2 What were the reasons for not sowing cotton in the \${plot_name} plot? <i>Surveyor: do not read out the options to farmers</i>	select_multiple no_sowing <input type="checkbox"/> Lack of water 1 <input type="checkbox"/> Late rains 2 <input type="checkbox"/> Changed crops 3 <input type="checkbox"/> Gave land on rent 4 <input type="checkbox"/> Left land fallow 5 <input type="checkbox"/> Others .0
N	a2_2_o Other reasons for not sowing cotton	text -----
N	note_a2_2 Please provide us details of start of cotton sowing in \${plot_name} plot	note
N	a2_3 In which month did you start sowing cotton in \${plot_name} plot?	select_one month_sowing  <input type="radio"/> May 5 <input type="radio"/> June 6 <input type="radio"/> July 7 <input type="radio"/> August 8 <input type="radio"/> Others .0
N	a2_3_o Other month of sowing	text -----
N	a2_3_1 In which week of the month did you start sowing cotton in \${plot_name} plot?	select_one week  <input type="radio"/> First week 1 <input type="radio"/> Second week 2 <input type="radio"/> Third week 3 <input type="radio"/> Fourth week 4 <input type="radio"/> Fifth week 5
N	temp1 Did you sow cotton in the full area of \${plot_name} plot?	select_one yesno  <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	temp2 What was the size of \${plot_name} plot in \${a1_1_lbl} on which you sowed cotton? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N	temp2_1 What was the size of \${plot_name} plot in guntha on which you sowed cotton? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N	note_a2_4 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	note
N	check_area_2 Surveyor, have you entered area correctly?	select_one yesno  <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	a2_4_2 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.	text -----
N	a3_1 Was the cotton crop in \${plot_name} plot irrigated?	select_one yesno  <input type="radio"/> No 0 <input type="radio"/> Yes 1

N	note_a3 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 <u>back and correct data</u>	note
N	check_irrigation Surveyor, have you entered irrigation status correctly?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	a3_1_1 Why has the irrigation status changed between the survey done in August and now?	text -----
N	a3_2 What was the source of irrigation dependent upon? <i>Surveyor: do not read out the options to farmers</i>	select_multiple irrigation <input type="checkbox"/> rainfall 1 <input type="checkbox"/> underground water 2 <input type="checkbox"/> nearby water/dam 3 <input type="checkbox"/> canal 4 <input type="checkbox"/> other .0
N	a3_2_o Other source of irrigation	text -----
N	a3_3 Did you irrigate the entire cotton crop in \${plot_name} plot?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	a3_4 What was the size cotton plot in \${plot_name} plot in \${a1_1_lbl} for you were able to apply water from irrigation? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N	a3_4_g What was the size cotton plot in \${plot_name} plot in guntha for you were able to apply water from irrigation? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N	a3_5 Were you able to apply optimal amount of water from irrigation for your cotton crop \${plot_name} plot?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	a4 Is the cotton crop in \${plot_name} plot still standing?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	a4_1 What was the reason for complete failure of the crop? <i>Surveyor: do not read out the options to farmers</i>	select_multiple crop_event <input type="checkbox"/> drought/lack of water 1 <input type="checkbox"/> flood 2 <input type="checkbox"/> hail storm 3 <input type="checkbox"/> lightening 4 <input type="checkbox"/> rainstorm 5 <input type="checkbox"/> insects 6 <input type="checkbox"/> rodents 7 <input type="checkbox"/> animals eating crops 8 <input type="checkbox"/> theft 9 <input type="checkbox"/> fire 10 <input type="checkbox"/> other .0 <input type="checkbox"/> does not know/remember .d
N	a4_2_o Other reason for failure of crop	text -----
N	b1 Have you started harvesting of your cotton crop in \${plot_name} plot?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	b2_1 Month in which you started harvesting crop from \${plot_name} plot	select_one harvest_month <input type="radio"/> October 1 <input type="radio"/> November 2 <input type="radio"/> December 3
N	b2_2 Week in which you started harvesting crop from \${plot_name} plot	select_one week <input type="radio"/> First week 1 <input type="radio"/> Second week 2

	<input type="radio"/> Third week <sup>3</sup> <input type="radio"/> Fourth week <sup>4</sup> <input type="radio"/> Fifth week <sup>5</sup>
N b3 When will you start harvesting your cotton crop in \${plot_name} plot?	select_one harvest_due <input type="radio"/> 5 days from today <sup>1</sup> <input type="radio"/> 10 days from today <sup>2</sup> <input type="radio"/> 15 days from today <sup>3</sup> <input type="radio"/> 20 days from today <sup>4</sup> <input type="radio"/> other .o
N b3_o Other harvest beginning durations	text -----
N b4 What is the quantity of cotton you expect to harvest in the Kharif season of 2018 from \${plot_name}? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N b4_1 Unit <i>Select unit</i>	select_one weight_unit <input type="radio"/> kg <sup>1</sup> <input type="radio"/> maund <sup>2</sup> <input type="radio"/> quintal <sup>3</sup> <input type="radio"/> pula <sup>4</sup> <input type="radio"/> does not know/remember .d
N note_b3 I would now like to ask you a few questions about the problems and losses that you might have faced with your cotton crop this year.	note
N b5 In the Kharif season of 2018, did you face any loss of crop from \${plot_name}, for exmaple, due to weather, fire, pests, animals, plant disease, theft or any other reason?	select_one yesnoda <input type="radio"/> No <sup>0</sup> <input type="radio"/> Yes <sup>1</sup> <input type="radio"/> does not answer .r
N b5_1 Please select events due to which you faced crop loss <i>Surveyor: do not read out the options to farmers</i>	select_multiple crop_event <input type="checkbox"/> drought/lack of water <sup>1</sup> <input type="checkbox"/> flood <sup>2</sup> <input type="checkbox"/> hail storm <sup>3</sup> <input type="checkbox"/> lightening <sup>4</sup> <input type="checkbox"/> rainstorm <sup>5</sup> <input type="checkbox"/> insects <sup>6</sup> <input type="checkbox"/> rodents <sup>7</sup> <input type="checkbox"/> animals eating crops <sup>8</sup> <input type="checkbox"/> theft <sup>9</sup> <input type="checkbox"/> fire <sup>10</sup> <input type="checkbox"/> other .o <input type="checkbox"/> does not know/remember .d
N b5_1_o Other event <i>Please specify</i>	text -----
N b5_1_r <div style="text-align: center;">Shock related to cotton crops</div>	
N b5_2 What was the month of \${b5_1_lb}?	select_one month <input type="radio"/> June <sup>6</sup> <input type="radio"/> July <sup>7</sup> <input type="radio"/> August <sup>8</sup> <input type="radio"/> September <sup>9</sup> <input type="radio"/> October <sup>10</sup> <input type="radio"/> November <sup>11</sup> <input type="radio"/> December <sup>12</sup>
N b5_3 What was the estimated quantity of crop that you lost due to all the events combined? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N b5_3_1 Unit of quantity loss	select_one loss_unit <input type="radio"/> Kilogram <sup>1</sup>

Select unit		<input type="radio"/> Maund <sup>2</sup> <input type="radio"/> Quintal <sup>3</sup> <input type="radio"/> Pula <sup>4</sup> <input type="radio"/> Percentage <sup>5</sup> <input type="radio"/> other . <sub>0</sub>
N b5_3_1_o	Other unit for crop loss	text -----
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
N c1	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?	select_multiple cotton_seed <input type="checkbox"/> Short <sup>1</sup> <input type="checkbox"/> Medium <sup>2</sup> <input type="checkbox"/> Long <sup>3</sup>
N c1_var	Varieties of seeds used	
N c2	Did you purchase \${c1_lbl} seeds of the variety did you reuse old seeds for \${plot_name} plot?	select_multiple seed_use <input type="checkbox"/> purchased new seeds <sup>1</sup> <input type="checkbox"/> reused old seeds <sup>2</sup> <input type="checkbox"/> purchased and reused <sup>3</sup> <input type="checkbox"/> does not know/remember . <sub>d</sub>
N temp3	What was the quantity of \${c1_lbl} seeds used for cotton sowing in the \${plot_name} plot? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N c3_1	Unit of seed quantity	select_one seed_weight <input type="radio"/> kilogram <sup>1</sup> <input type="radio"/> gram <sup>2</sup> <input type="radio"/> packet <sup>3</sup> <input type="radio"/> does not know/remember . <sub>d</sub>
N c3_1_o	Other unit of seed quantity	text -----
N c3_2	Size of the seed packet	select_one seed_packet <input type="radio"/> 450 gram <sup>1</sup> <input type="radio"/> 500 gram <sup>2</sup> <input type="radio"/> 550 gram <sup>3</sup> <input type="radio"/> other . <sub>0</sub>
N c3_2_o	Other size of seed packet	text -----
N c4	Did you use BT seed or non-BT \${c1_lbl} seed for cotton grown in \${plot_name} plot?	select_one BT <input type="radio"/> BT <sup>1</sup> <input type="radio"/> Non-BT <sup>2</sup> <input type="radio"/> other . <sub>0</sub> <input type="radio"/> does not know/remember . <sub>d</sub>
N c4_o	Other response for BT use	text -----
N note_d0	I would like to ask you questions regarding use of compost for cotton grown in \${plot_name} plot in 2018	note
N d0	Did you use compost for cotton grown in your \${plot_name} plot?	select_one yesno <input type="radio"/> No <sup>0</sup> <input type="radio"/> Yes <sup>1</sup>
N d0_1	How much compost did you use for cotton crop in \${plot_name} plot? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N d0_1_1	Unit of quantity of compost	select_one compost_unit



	<input type="radio"/> Kilogram <sup>1</sup> <input type="radio"/> Trolley load <sup>2</sup> <input type="radio"/> Tractor load <sup>3</sup>
N d0_1_1_o Other unit for quantity of compost	text other .o  
N d0_1_2 What do you think is the weight of trolley/tractor load? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  
N d0_1_3 Unit of weight of tractor/trolley load	select_one load_weight <input type="radio"/> Kilogram <sup>1</sup> <input type="radio"/> Ton <sup>2</sup> <input type="radio"/> Maund <sup>3</sup> <input type="radio"/> Other .o
N d0_1_3_o Other unit of tractor/trolley load	text  
N d0_2 Did you apply compost for the entire cotton crop in \${plot_name} plot?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N d0_2_1 What was the size cotton plot in \${plot_name} plot in \${a1_1_lbl} for you which were able to apply compost? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  
N d0_2_1_g What was the size cotton plot in \${plot_name} plot in guntha for you were able to apply compost? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  
N note_d1 I would like to ask you regarding fertilizer usage for cotton during the Kharif season of 2018 for \${plot_name} plot	note
N d1 Did you use inorganic fertilizers for cotton grown in your \${plot_name} plot in the Kharif season of 2018?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N d2 Why did you not use any inorganic fertilizers? <i>Surveyor: do not read out the options to farmers</i>	select_multiple fertilizers_no_use <input type="checkbox"/> no money <sup>1</sup> <input type="checkbox"/> too costly <sup>2</sup> <input type="checkbox"/> not necessary <sup>3</sup> <input type="checkbox"/> no access <sup>4</sup> <input type="checkbox"/> advice from agro-dealer <sup>5</sup> <input type="checkbox"/> advice from other farmer <sup>6</sup> <input type="checkbox"/> never used <sup>7</sup> <input type="checkbox"/> have not heard about this fertilizer <sup>8</sup> <input type="checkbox"/> does not know how to use it <sup>9</sup> <input type="checkbox"/> too risky <sup>10</sup> <input type="checkbox"/> other .o
N d2_o Other reason for not using inorganic fertilizers	text  
N d3 Which fertilizers did you use for your cotton cultivation on \${plot_name} plot in the Kharif season of 2018? <i>Read each fertilizer and select all that apply.</i>	select_multiple fertilizers <input type="checkbox"/> Urea <sup>1</sup> <input type="checkbox"/> Ammonium Sulphate <sup>2</sup> <input type="checkbox"/> DAP <sup>3</sup> <input type="checkbox"/> SSP <sup>4</sup> <input type="checkbox"/> MOP <sup>5</sup> <input type="checkbox"/> NPK 20-20-0 <sup>6</sup> <input type="checkbox"/> NPK 20-20-13 <sup>7</sup> <input type="checkbox"/> NPK 20-20-20 <sup>8</sup> <input type="checkbox"/> NPK 20-20-0-13 <sup>9</sup> <input type="checkbox"/> NPK 12-32-16 <sup>10</sup> <input type="checkbox"/> NPK 19-19-19 <sup>11</sup>

	<input type="checkbox"/> NPK 15-15-15 <sup>12</sup> <input type="checkbox"/> Other NPK <sup>13</sup> <input type="checkbox"/> Iron <sup>14</sup> <input type="checkbox"/> Zinc <sup>15</sup> <input type="checkbox"/> Sulphur <sup>16</sup> <input type="checkbox"/> Other fertilizer <sup>17</sup>
N d3_o_npk Other NPK fertilizer	text
N d3_o Other fertilizer	text
N d3_r	Fertilizer
N temp4 How much of \${d3_name} did you use on your total cotton cultivated on \${plot_name}? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal
N d4_1 Units of \${d3_name} <i>Please select the units for \${d3_name}</i>	select_one fertilizers_units <input type="radio"/> kilogram <sup>1</sup> <input type="radio"/> liter <sup>2</sup> <input type="radio"/> gram <sup>3</sup> <input type="radio"/> mililiter <sup>4</sup> <input type="radio"/> bag <sup>5</sup> <input type="radio"/> does not know/remember .d
N d4_2 Units of the bag size <i>Please select the units of bag size</i>	select_one bagsize_units <input type="radio"/> 25 Kilogram <sup>1</sup> <input type="radio"/> 45 Kilogram <sup>2</sup> <input type="radio"/> 50 Kilogram <sup>3</sup> <input type="radio"/> 75 Kilogram <sup>4</sup> <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N d4_2_o Other bag size	text
N d4_3 Is there a second unit in which farmer applied \${d3_name}?	select_one yesno <input type="radio"/> No <sup>0</sup> <input type="radio"/> Yes <sup>1</sup>
N d4_4 How much of \${d3_name} did you use on your total cotton cultivated on \${plot_name}? (second unit) <i>Please enter "-888" if respondent Does not know/remember</i>	decimal
N d4_4_1 Units of \${d3_name} (second) <i>Please select the units for \${d3_name}</i>	select_one fertilizers_units <input type="radio"/> kilogram <sup>1</sup> <input type="radio"/> liter <sup>2</sup> <input type="radio"/> gram <sup>3</sup> <input type="radio"/> mililiter <sup>4</sup> <input type="radio"/> bag <sup>5</sup> <input type="radio"/> does not know/remember .d
N d4_4_2 Units of the bag size (second) <i>Please select the units of bag size</i>	select_one bagsize_units <input type="radio"/> 25 Kilogram <sup>1</sup> <input type="radio"/> 45 Kilogram <sup>2</sup> <input type="radio"/> 50 Kilogram <sup>3</sup> <input type="radio"/> 75 Kilogram <sup>4</sup> <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N d4_4_o Other bag size	text
N d5 What was the price at which you had bought \${d3_name}?	decimal

	Please enter "-888" if respondent Does not know/remember
N d5_1 Unit of fertilizer price	select_one fertilizer_price <input type="radio"/> Kilogram 1 <input type="radio"/> Bag 2 <input type="radio"/> Total 3 <input type="radio"/> Other .0
N d5_1_o Other unit of fertilizer price	text -----
N d5_2 Units of the bag size	select_one bagsize_units <input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .0 <input type="radio"/> does not know/remember .d
N d5_2_o Other bag size	text -----
N d5_3 What was the price at which you had bought \${d3_name}? (second unit) Please enter "-888" if respondent Does not know/remember	decimal -----
N d5_6 Unit of fertilizer price (second unit)	select_one fertilizer_price <input type="radio"/> Kilogram 1 <input type="radio"/> Bag 2 <input type="radio"/> Total 3 <input type="radio"/> Other .0
N d5_6_o Other unit of fertilizer price (second unit)	text -----
N d5_7 Units of the bag size (second unit)	select_one bagsize_units <input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .0 <input type="radio"/> does not know/remember .d
N d5_7_o Other bag size	text -----
N d6 In how many doses did you use \${d3_name} on \${plot_name}? Please enter "-888" if respondent Does not know/remember	integer -----
N d7_1 At what crop stage did you apply apply \${d3_name} in dose # 1 ?	select_one crop_stage <input type="radio"/> Before sowing 1 <input type="radio"/> At time of sowing 2 <input type="radio"/> After sowing 3
N d7_1_1 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	decimal -----
N d7_2_1 Unit of duration from sowing/after sowing	select_one crop_stage_unit <input type="radio"/> Day 1 <input type="radio"/> Week 2 <input type="radio"/> Month 3 <input type="radio"/> Others .0
N d7_2_o_1	text

	Other crop stage	-----
N	d8_1 How much \${d3_name} did you use in dose # 1 ? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----
N	d8_1_1 Units of \${d3_name} in dose# 1 <i>Please select the units for \${d3_name}</i>	select_one fertilizers_units <input type="radio"/> kilogram 1 <input type="radio"/> liter 2 <input type="radio"/> gram 3 <input type="radio"/> mililiter 4 <input type="radio"/> bag 5 <input type="radio"/> does not know/remember .d
N	d8_1_1_1 Units of bag size <i>Please select the units of bag size</i>	select_one bagsize_units <input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N	d8_1_1_o_1 Other bag size	text  -----
N	d8_2_1 Is there a second unit in which you applied \${d3_name} in dose#1?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	d8_3_1 How much \${d3_name} did you use in dose # 1 (second unit)? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----
N	d8_3_1_1 Units of \${d3_name} in dose# 1 (second unit)	select_one fertilizers_units <input type="radio"/> kilogram 1 <input type="radio"/> liter 2 <input type="radio"/> gram 3 <input type="radio"/> mililiter 4 <input type="radio"/> bag 5 <input type="radio"/> does not know/remember .d
N	d8_3_2_1 Units of bag size (second unit)	select_one bagsize_units <input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N	d8_3_2_o_1 Other bag size	text  -----
N	d9_1 Was the \${d3_name} in dose#1 mixed with any other fertilizer at time of application?	select_one yesnodk <input type="radio"/> no 0 <input type="radio"/> yes 1 <input type="radio"/> does not know/remember .d
N	d9_1_1 Name of the fertilizer with which \${d3_name} in dose#1 was mixed	select_multiple fertilizers <input type="checkbox"/> Urea 1 <input type="checkbox"/> Ammonium Sulphate 2 <input type="checkbox"/> DAP 3 <input type="checkbox"/> SSP 4 <input type="checkbox"/> MOP 5 <input type="checkbox"/> NPK 20-20-0 6 <input type="checkbox"/> NPK 20-20-13 7 <input type="checkbox"/> NPK 20-20-20 8 <input type="checkbox"/> NPK 20-20-0-13 9

	<input type="checkbox"/> NPK 12-32-16 <sup>10</sup> <input type="checkbox"/> NPK 19-19-19 <sup>11</sup> <input type="checkbox"/> NPK 15-15-15 <sup>12</sup> <input type="checkbox"/> Other NPK <sup>13</sup> <input type="checkbox"/> Iron <sup>14</sup> <input type="checkbox"/> Zinc <sup>15</sup> <input type="checkbox"/> Sulphur <sup>16</sup> <input type="checkbox"/> Other fertilizer <sup>17</sup>
N d9_1_o_1	text
Name of other fertilizer which was mixed with dose#1 of \${d3_name}	
N d9_1_npk_1	text
Name of other NPK fertilizer which was mixed with dose#1 of \${d3_name}	
N d10_1	decimal
How much time did it take to apply \${d3_name} in dose#1? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d10_1_1	select_one time_unit
Unit of time taken to apply \${d3_name} in dose#1	
<input type="radio"/> Day <sup>1</sup> <input type="radio"/> Hour <sup>2</sup> <input type="radio"/> Other <sup>.o</sup>	
N 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 <i>Please enter "-888" if respondent Does not know/remember</i>	
N d11_1_1	integer
How many people were used for applying \${d3_name} in dose#1 were male? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d11_2_1	integer
How many people were used for applying \${d3_name} in dose#1 were female? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d12_1	select_multiple labour
Please share whether the labour used for applying \${d3_name} in dose#1 were family members or hired labour.	
<input type="checkbox"/> Family labour <sup>1</sup> <input type="checkbox"/> Exchange labour <sup>2</sup> <input type="checkbox"/> Labour Contract <sup>3</sup> <input type="checkbox"/> Hired labour <sup>4</sup> <input type="checkbox"/> other <sup>.o</sup>	
N d13_1_1	integer
How many men were hired for applying \${d3_name} in dose#1? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d13_2_1	integer
How many women were hired for applying \${d3_name} in dose#1? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d14_1_1	decimal
Wages paid to hired male labour for applying \${d3_name} in dose#1 <i>Please enter "-888" if respondent Does not know/remember</i>	
N d14_2_1	decimal
Wages paid to hired female labour for applying \${d3_name} in dose#1	

<p>Please enter "-888" if respondent Does not know/remember</p>	
<p>N d14_3_1 Unit of wages paid to hired labour for applying \${d3_name} in dose#1</p>	<p>select_one payment_unit  <input type="radio"/> Per day per person 1  <input type="radio"/> Per hour per person 2  <input type="radio"/> Total 3  <input type="radio"/> other .o</p>
<p>N d14_3_o_1 Other unit of wage payment</p>	<p>text          -----</p>
<p>N d14_4_1 Did you pay wages in kind to hired labour for applying \${d3_name} in dose#1?</p>	<p>select_one yesno  <input type="radio"/> No 0  <input type="radio"/> Yes 1</p>
<p>N d14_5_1 Wages paid in kind to hired labour for applying \${d3_name} in dose#1</p>	<p>select_multiple wages_kind  <input type="checkbox"/> breakfast 1  <input type="checkbox"/> lunch 2  <input type="checkbox"/> Tea 3  <input type="checkbox"/> Extra tip 4  <input type="checkbox"/> other .o</p>
<p>N d14_5_o_1 Other wages paid in kind to hired labour</p>	<p>text          -----</p>
<p>N d14_6_1 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember</p>	<p>decimal          -----</p>
<p>N d14_7_1 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#1</p>	<p>select_one payment_unit  <input type="radio"/> Per day per person 1  <input type="radio"/> Per hour per person 2  <input type="radio"/> Total 3  <input type="radio"/> other .o</p>
<p>N d15_1 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#1?</p>	<p>select_one yesno  <input type="radio"/> No 0  <input type="radio"/> Yes 1</p>
<p>N d15_1_1 In how many \${a1_1_lb} of \${plot_name} plot was the \${d3_name} applied for dose#1? Please enter "-888" if respondent Does not know/remember</p>	<p>decimal          -----</p>
<p>N d15_1_g_1 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</p>	<p>decimal          -----</p>
<p>N d16_1 Were you able to apply optimal amount of \${d3_name} in \${plot_name} for dose#1?</p>	<p>select_one yesnodk  <input type="radio"/> no 0  <input type="radio"/> yes 1  <input type="radio"/> does not know/remember .d</p>
<p>N d16_1_1 Why were you not able to apply the optimal amount of \${d3_name} for your cotton in \${plot_name} in dose#1? Surveyor, do not read out the options to farmers</p>	<p>select_multiple nonoptimal  <input type="checkbox"/> no money 1  <input type="checkbox"/> too costly 2  <input type="checkbox"/> not necessary 3  <input type="checkbox"/> no access 4  <input type="checkbox"/> advice from agro-dealer 5  <input type="checkbox"/> advice from other farmer 6  <input type="checkbox"/> other .o</p>
<p>N d16_1_o_1 Other reason for not using optimal amount of \${d3_name} in dose#1</p>	<p>text          -----</p>
<p>N d7_2 At what crop stage did you apply apply \${d3_name} in dose #2 ?</p>	<p>select_one crop_stage  <input type="radio"/> Before sowing 1  <input type="radio"/> At time of sowing 2</p>

N d7_1_2	<p>What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#2 of \${d3_name}</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p><input type="radio"/> After sowing <sup>3</sup></p> <p>decimal</p> <p>-----</p>
N d7_2_2	<p>Unit of duration from sowing/after sowing</p>	<p>select_one crop_stage_unit</p> <p><input type="radio"/> Day <sup>1</sup></p> <p><input type="radio"/> Week <sup>2</sup></p> <p><input type="radio"/> Month <sup>3</sup></p> <p><input type="radio"/> Others .o</p>
N d7_2_o_2	<p>Other crop stage</p>	<p>text</p> <p>-----</p>
N d8_2	<p>How much \${d3_name} did you use in dose #2 ?</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
N d8_1_2	<p>Units of \${d3_name} in dose#2</p> <p><i>Please select the units for \${d3_name}</i></p>	<p>select_one fertilizers_units</p> <p><input type="radio"/> kilogram <sup>1</sup></p> <p><input type="radio"/> liter <sup>2</sup></p> <p><input type="radio"/> gram <sup>3</sup></p> <p><input type="radio"/> mililiter <sup>4</sup></p> <p><input type="radio"/> bag <sup>5</sup></p> <p><input type="radio"/> does not know/remember .d</p>
N d8_1_1_2	<p>Units of bag size</p> <p><i>Please select the units of bag size</i></p>	<p>select_one bagsize_units</p> <p><input type="radio"/> 25 Kilogram <sup>1</sup></p> <p><input type="radio"/> 45 Kilogram <sup>2</sup></p> <p><input type="radio"/> 50 Kilogram <sup>3</sup></p> <p><input type="radio"/> 75 Kilogram <sup>4</sup></p> <p><input type="radio"/> others .o</p> <p><input type="radio"/> does not know/remember .d</p>
N d8_1_1_o_2	<p>Other bag size</p>	<p>text</p> <p>-----</p>
N d8_2_2	<p>Is there a second unit in which you applied \${d3_name} in dose#2?</p>	<p>select_one yesno</p> <p><input type="radio"/> No <sup>0</sup></p> <p><input type="radio"/> Yes <sup>1</sup></p>
N d8_3_2	<p>How much \${d3_name} did you use in dose #2 (second unit)?</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
N d8_3_1_2	<p>Units of \${d3_name} in dose#2 (second unit)</p>	<p>select_one fertilizers_units</p> <p><input type="radio"/> kilogram <sup>1</sup></p> <p><input type="radio"/> liter <sup>2</sup></p> <p><input type="radio"/> gram <sup>3</sup></p> <p><input type="radio"/> mililiter <sup>4</sup></p> <p><input type="radio"/> bag <sup>5</sup></p> <p><input type="radio"/> does not know/remember .d</p>
N d8_3_2_2	<p>Units of bag size (second unit)</p>	<p>select_one bagsize_units</p> <p><input type="radio"/> 25 Kilogram <sup>1</sup></p> <p><input type="radio"/> 45 Kilogram <sup>2</sup></p> <p><input type="radio"/> 50 Kilogram <sup>3</sup></p> <p><input type="radio"/> 75 Kilogram <sup>4</sup></p> <p><input type="radio"/> others .o</p> <p><input type="radio"/> does not know/remember .d</p>
N d8_3_2_o_2	<p>Other bag size</p>	<p>text</p> <p>-----</p>
N d9_2	<p>Was the \${d3_name} in dose#2 mixed with any other fertilizer at time of application?</p>	<p>select_one yesnodk</p> <p><input type="radio"/> no <sup>0</sup></p>

	<input type="radio"/> yes <sup>1</sup> <input checked="" type="radio"/> does not know/remember <sup>.d</sup>
N d9_1_2 Name of the fertilizer with which \${d3_name} in dose#2 was mixed	select_multiple fertilizers <input type="checkbox"/> Urea <sup>1</sup> <input type="checkbox"/> Ammonium Sulphate <sup>2</sup> <input type="checkbox"/> DAP <sup>3</sup> <input type="checkbox"/> SSP <sup>4</sup> <input type="checkbox"/> MOP <sup>5</sup> <input type="checkbox"/> NPK 20-20-0 <sup>6</sup> <input type="checkbox"/> NPK 20-20-13 <sup>7</sup> <input type="checkbox"/> NPK 20-20-20 <sup>8</sup> <input type="checkbox"/> NPK 20-20-0-13 <sup>9</sup> <input type="checkbox"/> NPK 12-32-16 <sup>10</sup> <input type="checkbox"/> NPK 19-19-19 <sup>11</sup> <input type="checkbox"/> NPK 15-15-15 <sup>12</sup> <input type="checkbox"/> Other NPK <sup>13</sup> <input type="checkbox"/> Iron <sup>14</sup> <input type="checkbox"/> Zinc <sup>15</sup> <input type="checkbox"/> Sulphur <sup>16</sup> <input type="checkbox"/> Other fertilizer <sup>17</sup>
N d9_1_o_2 Name of other fertilizer which was mixed with dose#2 of \${d3_name}	text -----
N d9_1_npk_2 Name of other NPK fertilizer which was mixed with dose#2 of \${d3_name}	text -----
N d10_2 How much time did it take to apply \${d3_name} in dose#2? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N d10_1_2 Unit of time taken to apply \${d3_name} in dose#2	select_one time_unit <input type="radio"/> Day <sup>1</sup> <input type="radio"/> Hour <sup>2</sup> <input type="radio"/> Other <sup>.o</sup>
N d10_1_o_2 Other unit of time taken to apply \${d3_name} in dose#2	text -----
N d11_2 How many people were used for applying \${d3_name} in dose#2 <i>Please enter "-888" if respondent Does not know/remember</i>	integer -----
N d11_1_2 How many people were used for applying \${d3_name} in dose#2 were male? <i>Please enter "-888" if respondent Does not know/remember</i>	integer -----
N d11_2_2 How many people were used for applying \${d3_name} in dose#2 were female? <i>Please enter "-888" if respondent Does not know/remember</i>	integer -----
N d12_2 Please share whether the labour used for applying \${d3_name} in dose#2 were family members or hired labour.	select_multiple labour <input type="checkbox"/> Family labour <sup>1</sup> <input type="checkbox"/> Exchange labour <sup>2</sup> <input type="checkbox"/> Labour Contract <sup>3</sup> <input type="checkbox"/> Hired labour <sup>4</sup> <input type="checkbox"/> other <sup>.o</sup>
N d13_1_2 How many men were hired for applying \${d3_name} in dose#2? <i>Please enter "-888" if respondent Does not know/remember</i>	integer -----



N d13_2_2	integer
How many women were hired for applying \${d3_name} in dose#2? <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d14_1_2	decimal
Wages paid to hired male labour for applying \${d3_name} in dose#2 <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d14_2_2	decimal
Wages paid to hired female labour for applying \${d3_name} in dose#2 <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d14_3_2	select_one payment_unit
Unit of wages paid to hired labour for applying \${d3_name} in dose#2	<input type="radio"/> Per day per person 1 <input type="radio"/> Per hour per person 2 <input type="radio"/> Total 3 <input type="radio"/> other .o
N d14_3_o_2	text
Other unit of wage payment	-----
N d14_4_2	select_one yesno
Did you pay wages in kind to hired labour for applying \${d3_name} in dose#2?	<input type="radio"/> No 0 <input type="radio"/> Yes 1
N d14_5_2	select_multiple wages_kind
Wages paid in kind to hired labour for applying \${d3_name} in dose#2	<input type="checkbox"/> breakfast 1 <input type="checkbox"/> lunch 2 <input type="checkbox"/> Tea 3 <input type="checkbox"/> Extra tip 4 <input type="checkbox"/> other .o
N d14_5_o_2	text
Other wages paid in kind to hired labour	-----
N d14_6_2	decimal
Total value of money for wages in kind <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d14_7_2	select_one payment_unit
Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#2	<input type="radio"/> Per day per person 1 <input type="radio"/> Per hour per person 2 <input type="radio"/> Total 3 <input type="radio"/> other .o
N d15_2	select_one yesno
Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#2?	<input type="radio"/> No 0 <input type="radio"/> Yes 1
N d15_1_2	decimal
In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#2? <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d15_1_g_2	decimal
In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#2? <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d16_2	select_one yesnodk
Were you able to apply optimal amount of \${d3_name} in \${plot_name} for dose#2?	<input type="radio"/> no 0 <input type="radio"/> yes 1 <input type="radio"/> does not know/remember .d
N d16_1_2	select_multiple nonoptimal
Why were you not able to apply the optimal amount of \${d3_name} for your cotton in \${plot_name} in	<input type="checkbox"/> no money 1

	<p>dose#2?</p> <p><i>Surveyor, do not read out the options to farmers</i></p>	<p><input type="checkbox"/> too costly <sup>2</sup></p> <p><input type="checkbox"/> not necessary <sup>3</sup></p> <p><input type="checkbox"/> no access <sup>4</sup></p> <p><input type="checkbox"/> advice from agro-dealer <sup>5</sup></p> <p><input type="checkbox"/> advice from other farmer <sup>6</sup></p> <p><input type="checkbox"/> other <sup>.0</sup></p>
N	<p>d16_1_o_2</p> <p>Other reason for not using optimal amount of \${d3_name} in dose#2</p>	<p>text</p> <p>-----</p>
N	<p>d7_3</p> <p>At what crop stage did you apply apply \${d3_name} in dose #3 ?</p>	<p>select_one crop_stage</p> <p><input type="radio"/> Before sowing <sup>1</sup></p> <p><input type="radio"/> At time of sowing <sup>2</sup></p> <p><input type="radio"/> After sowing <sup>3</sup></p>
N	<p>d7_1_3</p> <p>What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#3 of \${d3_name}</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
N	<p>d7_2_3</p> <p>Unit of duration from sowing/after sowing</p>	<p>select_one crop_stage_unit</p> <p><input type="radio"/> Day <sup>1</sup></p> <p><input type="radio"/> Week <sup>2</sup></p> <p><input type="radio"/> Month <sup>3</sup></p> <p><input type="radio"/> Others <sup>.0</sup></p>
N	<p>d7_2_o_3</p> <p>Other crop stage</p>	<p>text</p> <p>-----</p>
N	<p>d8_3</p> <p>How much \${d3_name} did you use in dose #3 ?</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
N	<p>d8_1_3</p> <p>Units of \${d3_name} in dose#3</p> <p><i>Please select the units for \${d3_name}</i></p>	<p>select_one fertilizers_units</p> <p><input type="radio"/> kilogram <sup>1</sup></p> <p><input type="radio"/> liter <sup>2</sup></p> <p><input type="radio"/> gram <sup>3</sup></p> <p><input type="radio"/> milliliter <sup>4</sup></p> <p><input type="radio"/> bag <sup>5</sup></p> <p><input type="radio"/> does not know/remember <sup>.d</sup></p>
N	<p>d8_1_1_3</p> <p>Units of bag size</p> <p><i>Please select the units of bag size</i></p>	<p>select_one bagsize_units</p> <p><input type="radio"/> 25 Kilogram <sup>1</sup></p> <p><input type="radio"/> 45 Kilogram <sup>2</sup></p> <p><input type="radio"/> 50 Kilogram <sup>3</sup></p> <p><input type="radio"/> 75 Kilogram <sup>4</sup></p> <p><input type="radio"/> others <sup>.0</sup></p> <p><input type="radio"/> does not know/remember <sup>.d</sup></p>
N	<p>d8_1_1_o_3</p> <p>Other bag size</p>	<p>text</p> <p>-----</p>
N	<p>d8_2_3</p> <p>Is there a second unit in which you applied \${d3_name} in dose#3?</p>	<p>select_one yesno</p> <p><input type="radio"/> No <sup>0</sup></p> <p><input type="radio"/> Yes <sup>1</sup></p>
N	<p>d8_3_3</p> <p>How much \${d3_name} did you use in dose #3 (second unit)?</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
N	<p>d8_3_1_3</p> <p>Units of \${d3_name} in dose#3 (second unit)</p>	<p>select_one fertilizers_units</p> <p><input type="radio"/> kilogram <sup>1</sup></p> <p><input type="radio"/> liter <sup>2</sup></p> <p><input type="radio"/> gram <sup>3</sup></p> <p><input type="radio"/> milliliter <sup>4</sup></p> <p><input type="radio"/> bag <sup>5</sup></p> <p><input type="radio"/> does not know/remember <sup>.d</sup></p>

N d8_3_2_3	Units of bag size (second unit)	select_one bagsize_units <input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N d8_3_2_o_3	Other bag size	text -----
N d9_3	Was the \${d3_name} in dose#3 mixed with any other fertilizer at time of application?	select_one yesnodk <input type="radio"/> no 0 <input type="radio"/> yes 1 <input type="radio"/> does not know/remember .d
N d9_1_3	Name of the fertilizer with which \${d3_name} in dose#3 was mixed	select_multiple fertilizers <input type="checkbox"/> Urea 1 <input type="checkbox"/> Ammonium Sulphate 2 <input type="checkbox"/> DAP 3 <input type="checkbox"/> SSP 4 <input type="checkbox"/> MOP 5 <input type="checkbox"/> NPK 20-20-0 6 <input type="checkbox"/> NPK 20-20-13 7 <input type="checkbox"/> NPK 20-20-20 8 <input type="checkbox"/> NPK 20-20-0-13 9 <input type="checkbox"/> NPK 12-32-16 10 <input type="checkbox"/> NPK 19-19-19 11 <input type="checkbox"/> NPK 15-15-15 12 <input type="checkbox"/> Other NPK 13 <input type="checkbox"/> Iron 14 <input type="checkbox"/> Zinc 15 <input type="checkbox"/> Sulphur 16 <input type="checkbox"/> Other fertilizer 17
N d9_1_o_3	Name of other fertilizer which was mixed with dose#3 of \${d3_name}	text -----
N d9_1_npk_3	Name of other NPK fertilizer which was mixed with dose#3 of \${d3_name}	text -----
N d10_3	How much time did it take to apply \${d3_name} in dose#3? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N d10_1_3	Unit of time taken to apply \${d3_name} in dose#3	select_one time_unit <input type="radio"/> Day 1 <input type="radio"/> Hour 2 <input type="radio"/> Other .o
N d10_1_o_3	Other unit of time taken to apply \${d3_name} in dose#3	text -----
N d11_3	How many people were used for applying \${d3_name} in dose#3 <i>Please enter "-888" if respondent Does not know/remember</i>	integer -----
N d11_1_3	How many people were used for applying \${d3_name} in dose#3 were male? <i>Please enter "-888" if respondent Does not know/remember</i>	integer -----
N d11_2_3	How many people were used for applying \${d3_name} in dose#3 were female?	integer -----

<p>Please enter "-888" if respondent Does not know/remember</p>	
<p>N d12_3</p> <p>Please share whether the labour used for applying \${d3_name} in dose#3 were family members or hired labour.</p>	<p>select_multiple labour</p> <p><input type="checkbox"/> Family labour 1</p> <p><input type="checkbox"/> Exchange labour 2</p> <p><input type="checkbox"/> Labour Contract 3</p> <p><input type="checkbox"/> Hired labour 4</p> <p><input type="checkbox"/> other .o</p>
<p>N d13_1_3</p> <p>How many men were hired for applying \${d3_name} in dose#3?</p> <p>Please enter "-888" if respondent Does not know/remember</p>	<p>integer</p> <p>-----</p>
<p>N d13_2_3</p> <p>How many women were hired for applying \${d3_name} in dose#3?</p> <p>Please enter "-888" if respondent Does not know/remember</p>	<p>integer</p> <p>-----</p>
<p>N d14_1_3</p> <p>Wages paid to hired male labour for applying \${d3_name} in dose#3</p> <p>Please enter "-888" if respondent Does not know/remember</p>	<p>decimal</p> <p>-----</p>
<p>N d14_2_3</p> <p>Wages paid to hired female labour for applying \${d3_name} in dose#3</p> <p>Please enter "-888" if respondent Does not know/remember</p>	<p>decimal</p> <p>-----</p>
<p>N d14_3_3</p> <p>Unit of wages paid to hired labour for applying \${d3_name} in dose#3</p>	<p>select_one payment_unit</p> <p><input type="radio"/> Per day per person 1</p> <p><input type="radio"/> Per hour per person 2</p> <p><input type="radio"/> Total 3</p> <p><input type="radio"/> other .o</p>
<p>N d14_3_o_3</p> <p>Other unit of wage payment</p>	<p>text</p> <p>-----</p>
<p>N d14_4_3</p> <p>Did you pay wages in kind to hired labour for applying \${d3_name} in dose#3?</p>	<p>select_one yesno</p> <p><input type="radio"/> No 0</p> <p><input type="radio"/> Yes 1</p>
<p>N d14_5_3</p> <p>Wages paid in kind to hired labour for applying \${d3_name} in dose#3</p>	<p>select_multiple wages_kind</p> <p><input type="checkbox"/> breakfast 1</p> <p><input type="checkbox"/> lunch 2</p> <p><input type="checkbox"/> Tea 3</p> <p><input type="checkbox"/> Extra tip 4</p> <p><input type="checkbox"/> other .o</p>
<p>N d14_5_o_3</p> <p>Other wages paid in kind to hired labour</p>	<p>text</p> <p>-----</p>
<p>N d14_6_3</p> <p>Total value of money for wages in kind</p> <p>Please enter "-888" if respondent Does not know/remember</p>	<p>decimal</p> <p>-----</p>
<p>N d14_7_3</p> <p>Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#3</p>	<p>select_one payment_unit</p> <p><input type="radio"/> Per day per person 1</p> <p><input type="radio"/> Per hour per person 2</p> <p><input type="radio"/> Total 3</p> <p><input type="radio"/> other .o</p>
<p>N d15_3</p> <p>Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#3?</p>	<p>select_one yesno</p> <p><input type="radio"/> No 0</p> <p><input type="radio"/> Yes 1</p>
<p>N d15_1_3</p> <p>In how many \${a1_1_lbl} of \${plot_name} plot was the \${d3_name} applied for dose#3?</p> <p>Please enter "-888" if respondent Does not</p>	<p>decimal</p> <p>-----</p>

<p><i>know/remember</i></p> <p>N d15_1_g_3</p> <p>In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#3?</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
<p>N d16_3</p> <p>Were you able to apply optimal amount of \${d3_name} in \${plot_name} for dose#3?</p>	<p>select_one yesnodk</p> <p><input type="radio"/> no 0</p> <p><input type="radio"/> yes 1</p> <p><input type="radio"/> does not know/remember .d</p>
<p>N d16_1_3</p> <p>Why were you not able to apply the optimal amount of \${d3_name} for your cotton in \${plot_name} in dose#3?</p> <p><i>Surveyor, do not read out the options to farmers</i></p>	<p>select_multiple nonoptimal</p> <p><input type="checkbox"/> no money 1</p> <p><input type="checkbox"/> too costly 2</p> <p><input type="checkbox"/> not necessary 3</p> <p><input type="checkbox"/> no access 4</p> <p><input type="checkbox"/> advice from agro-dealer 5</p> <p><input type="checkbox"/> advice from other farmer 6</p> <p><input type="checkbox"/> other .o</p>
<p>N d16_1_o_3</p> <p>Other reason for not using optimal amount of \${d3_name} in dose#3</p>	<p>text</p> <p>-----</p>
<p>N d7_4</p> <p>At what crop stage did you apply apply \${d3_name} in dose #4 ?</p>	<p>select_one crop_stage</p> <p><input type="radio"/> Before sowing 1</p> <p><input type="radio"/> At time of sowing 2</p> <p><input type="radio"/> After sowing 3</p>
<p>N d7_1_4</p> <p>What was the duration from sowing/after sowing of cotton crop in \${plot_name} at which you applied dose#4 of \${d3_name}</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
<p>N d7_2_4</p> <p>Unit of duration from sowing/after sowing</p>	<p>select_one crop_stage_unit</p> <p><input type="radio"/> Day 1</p> <p><input type="radio"/> Week 2</p> <p><input type="radio"/> Month 3</p> <p><input type="radio"/> Others .o</p>
<p>N d7_2_o_4</p> <p>Other crop stage</p>	<p>text</p> <p>-----</p>
<p>N d8_4</p> <p>How much \${d3_name} did you use in dose #4 ?</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
<p>N d8_1_4</p> <p>Units of \${d3_name} in dose#4</p> <p><i>Please select the units for \${d3_name}</i></p>	<p>select_one fertilizers_units</p> <p><input type="radio"/> kilogram 1</p> <p><input type="radio"/> liter 2</p> <p><input type="radio"/> gram 3</p> <p><input type="radio"/> mililiter 4</p> <p><input type="radio"/> bag 5</p> <p><input type="radio"/> does not know/remember .d</p>
<p>N d8_1_1_4</p> <p>Units of bag size</p> <p><i>Please select the units of bag size</i></p>	<p>select_one bagsize_units</p> <p><input type="radio"/> 25 Kilogram 1</p> <p><input type="radio"/> 45 Kilogram 2</p> <p><input type="radio"/> 50 Kilogram 3</p> <p><input type="radio"/> 75 Kilogram 4</p> <p><input type="radio"/> others .o</p> <p><input type="radio"/> does not know/remember .d</p>
<p>N d8_1_1_o_4</p> <p>Other bag size</p>	<p>text</p> <p>-----</p>
<p>N d8_2_4</p> <p>Is there a second unit in which you applied \${d3_name} in dose#4?</p>	<p>select_one yesno</p> <p><input type="radio"/> No 0</p> <p><input type="radio"/> Yes 1</p>

N d8_3_4	decimal
How much \${d3_name} did you use in dose #4 (second unit)? <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d8_3_1_4	select_one fertilizers_units
Units of \${d3_name} in dose#4 (second unit)	<input type="radio"/> kilogram 1 <input type="radio"/> liter 2 <input type="radio"/> gram 3 <input type="radio"/> milliliter 4 <input type="radio"/> bag 5 <input type="radio"/> does not know/remember .d
N d8_3_2_4	select_one bagsize_units
Units of bag size (second unit)	<input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N 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 fertilizer at time of application?	<input type="radio"/> no 0 <input type="radio"/> yes 1 <input type="radio"/> does not know/remember .d
N d9_1_4	select_multiple fertilizers
Name of the fertilizer with which \${d3_name} in dose#4 was mixed	<input type="checkbox"/> Urea 1 <input type="checkbox"/> Ammonium Sulphate 2 <input type="checkbox"/> DAP 3 <input type="checkbox"/> SSP 4 <input type="checkbox"/> MOP 5 <input type="checkbox"/> NPK 20-20-0 6 <input type="checkbox"/> NPK 20-20-13 7 <input type="checkbox"/> NPK 20-20-20 8 <input type="checkbox"/> NPK 20-20-0-13 9 <input type="checkbox"/> NPK 12-32-16 10 <input type="checkbox"/> NPK 19-19-19 11 <input type="checkbox"/> NPK 15-15-15 12 <input type="checkbox"/> Other NPK 13 <input type="checkbox"/> Iron 14 <input type="checkbox"/> Zinc 15 <input type="checkbox"/> Sulphur 16 <input type="checkbox"/> Other fertilizer 17
N d9_1_o_4	text
Name of other fertilizer which was mixed with dose#4 of \${d3_name}	-----
N d9_1_npk_4	text
Name of other NPK fertilizer which was mixed with dose#4 of \${d3_name}	-----
N d10_4	decimal
How much time did it take to apply \${d3_name} in dose#4? <i>Please enter "-888" if respondent Does not know/remember</i>	-----
N d10_1_4	select_one time_unit
Unit of time taken to apply \${d3_name} in dose#4	<input type="radio"/> Day 1 <input type="radio"/> Hour 2 <input type="radio"/> Other .o
N d10_1_o_4	text
Other unit of time taken to apply \${d3_name} in dose#4	-----

N	d11_4 How many people were used for applying \${d3_name} in dose#4 <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d11_1_4 How many people were used for applying \${d3_name} in dose#4 were male? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d11_2_4 How many people were used for applying \${d3_name} in dose#4 were female? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d12_4 Please share whether the labour used for applying \${d3_name} in dose#4 were family members or hired labour.	select_multiple labour <input type="checkbox"/> Family labour <sup>1</sup> <input type="checkbox"/> Exchange labour <sup>2</sup> <input type="checkbox"/> Labour Contract <sup>3</sup> <input type="checkbox"/> Hired labour <sup>4</sup> <input type="checkbox"/> other .o
N	d13_1_4 How many men were hired for applying \${d3_name} in dose#4? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d13_2_4 How many women were hired for applying \${d3_name} in dose#4? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d14_1_4 Wages paid to hired male labour for applying \${d3_name} in dose#4 <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----
N	d14_2_4 Wages paid to hired female labour for applying \${d3_name} in dose#4 <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----
N	d14_3_4 Unit of wages paid to hired labour for applying \${d3_name} in dose#4	select_one payment_unit <input type="radio"/> Per day per person <sup>1</sup> <input type="radio"/> Per hour per person <sup>2</sup> <input type="radio"/> Total <sup>3</sup> <input type="radio"/> other .o
N	d14_3_o_4 Other unit of wage payment	text  -----
N	d14_4_4 Did you pay wages in kind to hired labour for applying \${d3_name} in dose#4?	select_one yesno <input type="radio"/> No <sup>0</sup> <input type="radio"/> Yes <sup>1</sup>
N	d14_5_4 Wages paid in kind to hired labour for applying \${d3_name} in dose#4	select_multiple wages_kind <input type="checkbox"/> breakfast <sup>1</sup> <input type="checkbox"/> lunch <sup>2</sup> <input type="checkbox"/> Tea <sup>3</sup> <input type="checkbox"/> Extra tip <sup>4</sup> <input type="checkbox"/> other .o
N	d14_5_o_4 Other wages paid in kind to hired labour	text  -----
N	d14_6_4 Total value of money for wages in kind <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----

N d14_7_4	Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#4	select_one payment_unit <input type="radio"/> Per day per person <sup>1</sup> <input type="radio"/> Per hour per person <sup>2</sup> <input type="radio"/> Total <sup>3</sup> <input type="radio"/> other .o
N d15_4	Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#4?	select_one yesno <input type="radio"/> No <sup>0</sup> <input type="radio"/> Yes <sup>1</sup>
N d15_1_4	In how many \${a1_1_lb} of \${plot_name} plot was the \${d3_name} applied for dose#4? <i>Please enter "-888" if respondent Does not know/remembers</i>	decimal -----
N d15_1_g_4	In how many guntha of \${plot_name} plot was the \${d3_name} applied for dose#4? <i>Please enter "-888" if respondent Does not know/remembers</i>	decimal -----
N d16_4	Were you able to apply optimal amount of \${d3_name} in \${plot_name} for dose#4?	select_one yesnodk <input type="radio"/> no <sup>0</sup> <input type="radio"/> yes <sup>1</sup> <input type="radio"/> does not know/remembers .d
N d16_1_4	Why were you not able to apply the optimal amount of \${d3_name} for your cotton in \${plot_name} in dose#4? <i>Surveyor, do not read out the options to farmers</i>	select_multiple nonoptimal <input type="checkbox"/> no money <sup>1</sup> <input type="checkbox"/> too costly <sup>2</sup> <input type="checkbox"/> not necessary <sup>3</sup> <input type="checkbox"/> no access <sup>4</sup> <input type="checkbox"/> advice from agro-dealer <sup>5</sup> <input type="checkbox"/> advice from other farmer <sup>6</sup> <input type="checkbox"/> other .o
N d16_1_o_4	Other reason for not using optimal amount of \${d3_name} in dose#4	text -----
N d7_5	At what crop stage did you apply apply \${d3_name} in dose #5 ?	select_one crop_stage <input type="radio"/> Before sowing <sup>1</sup> <input type="radio"/> At time of sowing <sup>2</sup> <input type="radio"/> After sowing <sup>3</sup>
N 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} <i>Please enter "-888" if respondent Does not know/remembers</i>	decimal -----
N d7_2_5	Unit of duration from sowing/after sowing	select_one crop_stage_unit <input type="radio"/> Day <sup>1</sup> <input type="radio"/> Week <sup>2</sup> <input type="radio"/> Month <sup>3</sup> <input type="radio"/> Others .o
N d7_2_o_5	Other crop stage	text -----
N d8_5	How much \${d3_name} did you use in dose #5 ? <i>Please enter "-888" if respondent Does not know/remembers</i>	decimal -----
N d8_1_5	Units of \${d3_name} in dose#5 <i>Please select the units for \${d3_name}</i>	select_one fertilizers_units <input type="radio"/> kilogram <sup>1</sup> <input type="radio"/> liter <sup>2</sup> <input type="radio"/> gram <sup>3</sup> <input type="radio"/> milliliter <sup>4</sup> <input type="radio"/> bag <sup>5</sup> <input type="radio"/> does not know/remembers .d
N d8_1_1_5		select_one bagsize_units



<p>Units of bag size</p> <p><i>Please select the units of bag size</i></p>	<p> <input type="radio"/> 25 Kilogram <sup>1</sup>  <input type="radio"/> 45 Kilogram <sup>2</sup>  <input type="radio"/> 50 Kilogram <sup>3</sup>  <input type="radio"/> 75 Kilogram <sup>4</sup>  <input type="radio"/> others <sup>.o</sup>  <input type="radio"/> does not know/remember <sup>.d</sup> </p>
<p>N d8_1_1_o_5</p> <p>Other bag size</p>	<p>text</p> <p>-----</p>
<p>N d8_2_5</p> <p>Is there a second unit in which you applied \${d3_name} in dose#5?</p>	<p>select_one yesno</p> <p> <input type="radio"/> No <sup>0</sup>  <input type="radio"/> Yes <sup>1</sup> </p>
<p>N d8_3_5</p> <p>How much \${d3_name} did you use in dose #5 (second unit)?</p> <p><i>Please enter "-888" if respondent Does not know/remember</i></p>	<p>decimal</p> <p>-----</p>
<p>N d8_3_1_5</p> <p>Units of \${d3_name} in dose#5 (second unit)</p>	<p>select_one fertilizers_units</p> <p> <input type="radio"/> kilogram <sup>1</sup>  <input type="radio"/> liter <sup>2</sup>  <input type="radio"/> gram <sup>3</sup>  <input type="radio"/> mililiter <sup>4</sup>  <input type="radio"/> bag <sup>5</sup>  <input type="radio"/> does not know/remember <sup>.d</sup> </p>
<p>N d8_3_2_5</p> <p>Units of bag size (second unit)</p>	<p>select_one bagsize_units</p> <p> <input type="radio"/> 25 Kilogram <sup>1</sup>  <input type="radio"/> 45 Kilogram <sup>2</sup>  <input type="radio"/> 50 Kilogram <sup>3</sup>  <input type="radio"/> 75 Kilogram <sup>4</sup>  <input type="radio"/> others <sup>.o</sup>  <input type="radio"/> does not know/remember <sup>.d</sup> </p>
<p>N d8_3_2_o_5</p> <p>Other bag size</p>	<p>text</p> <p>-----</p>
<p>N d9_5</p> <p>Was the \${d3_name} in dose#5 mixed with any other fertilizer at time of application?</p>	<p>select_one yesnodk</p> <p> <input type="radio"/> no <sup>0</sup>  <input type="radio"/> yes <sup>1</sup>  <input type="radio"/> does not know/remember <sup>.d</sup> </p>
<p>N d9_1_5</p> <p>Name of the fertilizer with which \${d3_name} in dose#5 was mixed</p>	<p>select_multiple fertilizers</p> <p> <input type="checkbox"/> Urea <sup>1</sup>  <input type="checkbox"/> Ammonium Sulphate <sup>2</sup>  <input type="checkbox"/> DAP <sup>3</sup>  <input type="checkbox"/> SSP <sup>4</sup>  <input type="checkbox"/> MOP <sup>5</sup>  <input type="checkbox"/> NPK 20-20-0 <sup>6</sup>  <input type="checkbox"/> NPK 20-20-13 <sup>7</sup>  <input type="checkbox"/> NPK 20-20-20 <sup>8</sup>  <input type="checkbox"/> NPK 20-20-0-13 <sup>9</sup>  <input type="checkbox"/> NPK 12-32-16 <sup>10</sup>  <input type="checkbox"/> NPK 19-19-19 <sup>11</sup>  <input type="checkbox"/> NPK 15-15-15 <sup>12</sup>  <input type="checkbox"/> Other NPK <sup>13</sup>  <input type="checkbox"/> Iron <sup>14</sup>  <input type="checkbox"/> Zinc <sup>15</sup>  <input type="checkbox"/> Sulphur <sup>16</sup>  <input type="checkbox"/> Other fertilizer <sup>17</sup> </p>
<p>N d9_1_o_5</p> <p>Name of other fertilizer which was mixed with dose#5 of \${d3_name}</p>	<p>text</p> <p>-----</p>
<p>N d9_1_npk_5</p> <p>Name of other NPK fertilizer which was mixed with dose#5 of \${d3_name}</p>	<p>text</p> <p>-----</p>

N	d10_5 How much time did it take to apply \${d3_name} in dose#5? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----
N	d10_1_5 Unit of time taken to apply \${d3_name} in dose#5	select_one time_unit <input type="radio"/> Day 1 <input type="radio"/> Hour 2 <input type="radio"/> Other .o
N	d10_1_o_5 Other unit of time taken to apply \${d3_name} in dose#5	text  -----
N	d11_5 How many people were used for applying \${d3_name} in dose#5 <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d11_1_5 How many people were used for applying \${d3_name} in dose#5 were male? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d11_2_5 How many people were used for applying \${d3_name} in dose#5 were female? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d12_5 Please share whether the labour used for applying \${d3_name} in dose#5 were family members or hired labour.	select_multiple labour <input type="checkbox"/> Family labour 1 <input type="checkbox"/> Exchange labour 2 <input type="checkbox"/> Labour Contract 3 <input type="checkbox"/> Hired labour 4 <input type="checkbox"/> other .o
N	d13_1_5 How many men were hired for applying \${d3_name} in dose#5? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d13_2_5 How many women were hired for applying \${d3_name} in dose#5? <i>Please enter "-888" if respondent Does not know/remember</i>	integer  -----
N	d14_1_5 Wages paid to hired male labour for applying \${d3_name} in dose#5 <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----
N	d14_2_5 Wages paid to hired female labour for applying \${d3_name} in dose#5 <i>Please enter "-888" if respondent Does not know/remember</i>	decimal  -----
N	d14_3_5 Unit of wages paid to hired labour for applying \${d3_name} in dose#5	select_one payment_unit <input type="radio"/> Per day per person 1 <input type="radio"/> Per hour per person 2 <input type="radio"/> Total 3 <input type="radio"/> other .o
N	d14_3_o_5 Other unit of wage payment	text  -----
N	d14_4_5 Did you pay wages in kind to hired labour for applying \${d3_name} in dose#5?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1

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

N d8_6	How much \${d3_name} did you use in dose #6 ? <i>Please enter "-888" if respondent Does not know/remember</i>	d ----- -----
N d8_1_6	Units of \${d3_name} in dose#6 <i>Please select the units for \${d3_name}</i>	select_one fertilizers_units <input type="radio"/> kilogram 1 <input type="radio"/> liter 2 <input type="radio"/> gram 3 <input type="radio"/> mililiter 4 <input type="radio"/> bag 5 <input type="radio"/> does not know/remember .d
N d8_1_1_6	Units of bag size <i>Please select the units of bag size</i>	select_one bagsize_units <input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N d8_1_1_o_6	Other bag size	text -----
N d8_2_6	Is there a second unit in which you applied \${d3_name} in dose#6?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N d8_3_6	How much \${d3_name} did you use in dose #6 (second unit)? <i>Please enter "-888" if respondent Does not know/remember</i>	decimal -----
N d8_3_1_6	Units of \${d3_name} in dose#6 (second unit)	select_one fertilizers_units <input type="radio"/> kilogram 1 <input type="radio"/> liter 2 <input type="radio"/> gram 3 <input type="radio"/> mililiter 4 <input type="radio"/> bag 5 <input type="radio"/> does not know/remember .d
N d8_3_2_6	Units of bag size (second unit)	select_one bagsize_units <input type="radio"/> 25 Kilogram 1 <input type="radio"/> 45 Kilogram 2 <input type="radio"/> 50 Kilogram 3 <input type="radio"/> 75 Kilogram 4 <input type="radio"/> others .o <input type="radio"/> does not know/remember .d
N d8_3_2_o_6	Other bag size	text -----
N d9_6	Was the \${d3_name} in dose#6 mixed with any other fertilizer at time of application?	select_one yesnodk <input type="radio"/> no 0 <input type="radio"/> yes 1 <input type="radio"/> does not know/remember .d
N d9_1_6	Name of the fertilizer with which \${d3_name} in dose#6 was mixed	select_multiple fertilizers <input type="checkbox"/> Urea 1 <input type="checkbox"/> Ammonium Sulphate 2 <input type="checkbox"/> DAP 3 <input type="checkbox"/> SSP 4 <input type="checkbox"/> MOP 5 <input type="checkbox"/> NPK 20-20-0 6 <input type="checkbox"/> NPK 20-20-13 7 <input type="checkbox"/> NPK 20-20-20 8 <input type="checkbox"/> NPK 20-20-0-13 9 <input type="checkbox"/> NPK 12-32-16 10

	<input type="checkbox"/> NPK 19-19-19 <sup>11</sup> <input type="checkbox"/> NPK 15-15-15 <sup>12</sup> <input type="checkbox"/> Other NPK <sup>13</sup> <input type="checkbox"/> Iron <sup>14</sup> <input type="checkbox"/> Zinc <sup>15</sup> <input type="checkbox"/> Sulphur <sup>16</sup> <input type="checkbox"/> Other fertilizer <sup>17</sup>
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? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d10_1_6	select_one time_unit
Unit of time taken to apply \${d3_name} in dose#6	
<input type="radio"/> Day <sup>1</sup> <input type="radio"/> Hour <sup>2</sup> <input type="radio"/> Other .o	
N d10_1_o_6	text
Other unit of time taken to apply \${d3_name} in dose#6	
N d11_6	integer
How many people were used for applying \${d3_name} in dose#6 <i>Please enter "-888" if respondent Does not know/remember</i>	
N d11_1_6	integer
How many people were used for applying \${d3_name} in dose#6 were male? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d11_2_6	integer
How many people were used for applying \${d3_name} in dose#6 were female? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d12_6	select_multiple labour
Please share whether the labour used for applying \${d3_name} in dose#6 were family members or hired labour.	
<input type="checkbox"/> Family labour <sup>1</sup> <input type="checkbox"/> Exchange labour <sup>2</sup> <input type="checkbox"/> Labour Contract <sup>3</sup> <input type="checkbox"/> Hired labour <sup>4</sup> <input type="checkbox"/> other .o	
N d13_1_6	integer
How many men were hired for applying \${d3_name} in dose#6? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d13_2_6	integer
How many women were hired for applying \${d3_name} in dose#6? <i>Please enter "-888" if respondent Does not know/remember</i>	
N d14_1_6	decimal
Wages paid to hired male labour for applying \${d3_name} in dose#6 <i>Please enter "-888" if respondent Does not know/remember</i>	
N d14_2_6	decimal
Wages paid to hired female labour for applying \${d3_name} in dose#6 <i>Please enter "-888" if respondent Does not know/remember</i>	

N	<del>know/remember</del> d14_3_6 Unit of wages paid to hired labour for applying \${d3_name} in dose#6	select_one payment_unit <input type="radio"/> Per day per person 1 <input type="radio"/> Per hour per person 2 <input type="radio"/> Total 3 <input type="radio"/> other .0
N	d14_3_o_6 Other unit of wage payment	text -----
N	d14_4_6 Did you pay wages in kind to hired labour for applying \${d3_name} in dose#6?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	d14_5_6 Wages paid in kind to hired labour for applying \${d3_name} in dose#6	select_multiple wages_kind <input type="checkbox"/> breakfast 1 <input type="checkbox"/> lunch 2 <input type="checkbox"/> Tea 3 <input type="checkbox"/> Extra tip 4 <input type="checkbox"/> other .0
N	d14_5_o_6 Other wages paid in kind to hired labour	text -----
N	d14_6_6 Total value of money for wages in kind Please enter "-888" if respondent Does not know/remember	decimal -----
N	d14_7_6 Unit of wages in kind paid to hired labour for \${d3_name} applied in dose#6	select_one payment_unit <input type="radio"/> Per day per person 1 <input type="radio"/> Per hour per person 2 <input type="radio"/> Total 3 <input type="radio"/> other .0
N	d15_6 Was the \${d3_name} applied in entire area of \${plot_name} plot for dose#6?	select_one yesno <input type="radio"/> No 0 <input type="radio"/> Yes 1
N	d15_1_6 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	decimal -----
N	d15_1_g_6 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	decimal -----
N	d16_6 Were you able to apply optimal amount of \${d3_name} in \${plot_name} for dose#6?	select_one yesnodk <input type="radio"/> no 0 <input type="radio"/> yes 1 <input type="radio"/> does not know/remember .d
N	d16_1_6 Why were you not able to apply the optimal amount of \${d3_name} for your cotton in \${plot_name} in dose#6? Surveyor, do not read out the options to farmers	select_multiple nonoptimal <input type="checkbox"/> no money 1 <input type="checkbox"/> too costly 2 <input type="checkbox"/> not necessary 3 <input type="checkbox"/> no access 4 <input type="checkbox"/> advice from agro-dealer 5 <input type="checkbox"/> advice from other farmer 6 <input type="checkbox"/> other .0
N	d16_1_o_6 Other reason for not using optimal amount of \${d3_name} in dose#6	text -----
N	note_e1 I would like to ask you a few questions about fertilizers. Please respond if you do know the answer to the questions. It is completely okay if you tell me that you do not know the answer.	note
N	e1	select_multiple nutrient

<p>Which main nutrients are required by irrigated cotton for growth?  <i>Surveyor, do not read out the options to farmers</i></p>	<input type="checkbox"/> Nitrogen <sup>1</sup> <input type="checkbox"/> Phosphorous <sup>2</sup> <input type="checkbox"/> Potash <sup>3</sup> <input type="checkbox"/> other <sup>.o</sup> <input type="checkbox"/> does not know/remember <sup>.d</sup> <input type="checkbox"/> does not answer <sup>.r</sup>
<p>N e1_o  Other nutrients</p>	text -----
<p>N e2  Which of the following is main nutrient in UREA ?  <i>Surveyor, do not read out the options to farmers</i></p>	select_one nutrient <input type="radio"/> Nitrogen <sup>1</sup> <input type="radio"/> Phosphorous <sup>2</sup> <input type="radio"/> Potash <sup>3</sup> <input type="radio"/> other <sup>.o</sup> <input type="radio"/> does not know/remember <sup>.d</sup> <input type="radio"/> does not answer <sup>.r</sup>
<p>N e2_o  Other nutrients</p>	text -----
<p>N e3  Which of the following is main nutrient in DAP?  <i>Surveyor, do not read out the options to farmers</i></p>	select_one nutrient <input type="radio"/> Nitrogen <sup>1</sup> <input type="radio"/> Phosphorous <sup>2</sup> <input type="radio"/> Potash <sup>3</sup> <input type="radio"/> other <sup>.o</sup> <input type="radio"/> does not know/remember <sup>.d</sup> <input type="radio"/> does not answer <sup>.r</sup>
<p>N e3_o  Other nutrients</p>	text -----
<p>N e4  Which of the following is main nutrient in MOP?  <i>Surveyor, do not read out the options to farmers</i></p>	select_one nutrient <input type="radio"/> Nitrogen <sup>1</sup> <input type="radio"/> Phosphorous <sup>2</sup> <input type="radio"/> Potash <sup>3</sup> <input type="radio"/> other <sup>.o</sup> <input type="radio"/> does not know/remember <sup>.d</sup> <input type="radio"/> does not answer <sup>.r</sup>
<p>N e4_o  Other nutrients</p>	text -----
<p>N e5  Which is the best fertilizer for applying nitrogen in the soil?  <i>Surveyor, do not read out the options to farmers</i></p>	select_multiple fertilizers_know <input type="checkbox"/> Urea <sup>1</sup> <input type="checkbox"/> Ammonium Sulphate <sup>2</sup> <input type="checkbox"/> DAP <sup>3</sup> <input type="checkbox"/> SSP <sup>4</sup> <input type="checkbox"/> MOP <sup>5</sup> <input type="checkbox"/> NPK 20-20-0 <sup>6</sup> <input type="checkbox"/> NPK 20-20-13 <sup>7</sup> <input type="checkbox"/> NPK 20-20-20 <sup>8</sup> <input type="checkbox"/> NPK 20-20-0-13 <sup>9</sup> <input type="checkbox"/> NPK 12-32-16 <sup>10</sup> <input type="checkbox"/> NPK 19-19-19 <sup>11</sup> <input type="checkbox"/> NPK 15-15-15 <sup>12</sup> <input type="checkbox"/> Other NPK <sup>13</sup> <input type="checkbox"/> Iron <sup>14</sup> <input type="checkbox"/> Zinc <sup>15</sup> <input type="checkbox"/> Sulphur <sup>16</sup> <input type="checkbox"/> Other fertilizer <sup>17</sup> <input type="checkbox"/> does not know/remember <sup>.d</sup>
<p>N e5_o_npk  Other NPK fertilizer</p>	text -----
<p>N e5_o  Other fertilizer</p>	text -----

<p>N e6</p> <p>Which is the best fertilizer for adding potash in the soil?</p> <p><i>Surveyor, do not read out the options to farmers</i></p>	<p>select_multiple fertilizers_know</p> <p><input type="checkbox"/> Urea <sup>1</sup></p> <p><input type="checkbox"/> Ammonium Sulphate <sup>2</sup></p> <p><input type="checkbox"/> DAP <sup>3</sup></p> <p><input type="checkbox"/> SSP <sup>4</sup></p> <p><input type="checkbox"/> MOP <sup>5</sup></p> <p><input type="checkbox"/> NPK 20-20-0 <sup>6</sup></p> <p><input type="checkbox"/> NPK 20-20-13 <sup>7</sup></p> <p><input type="checkbox"/> NPK 20-20-20 <sup>8</sup></p> <p><input type="checkbox"/> NPK 20-20-0-13 <sup>9</sup></p> <p><input type="checkbox"/> NPK 12-32-16 <sup>10</sup></p> <p><input type="checkbox"/> NPK 19-19-19 <sup>11</sup></p> <p><input type="checkbox"/> NPK 15-15-15 <sup>12</sup></p> <p><input type="checkbox"/> Other NPK <sup>13</sup></p> <p><input type="checkbox"/> Iron <sup>14</sup></p> <p><input type="checkbox"/> Zinc <sup>15</sup></p> <p><input type="checkbox"/> Sulphur <sup>16</sup></p> <p><input type="checkbox"/> Other fertilizer <sup>17</sup></p> <p><input type="checkbox"/> does not know/remember .d</p>
<p>N e6_o_npk</p> <p>Other NPK fertilizer</p>	<p>text</p> <p>-----</p>
<p>N e6_o</p> <p>Other fertilizer</p>	<p>text</p> <p>-----</p>
<p>N e7</p> <p>When is zinc recommended to be applied during cotton cultivation for irrigated cotton?</p> <p><i>Surveyor, do not read out the options to farmers</i></p>	<p>select_multiple fert_time</p> <p><input type="checkbox"/> At the time of sowing <sup>1</sup></p> <p><input type="checkbox"/> 30 days after sowing <sup>2</sup></p> <p><input type="checkbox"/> 60 days after sowing <sup>3</sup></p> <p><input type="checkbox"/> 90 days after sowing <sup>4</sup></p> <p><input type="checkbox"/> other .o</p> <p><input type="checkbox"/> does not know/remember .d</p>
<p>N e7_o</p> <p>Other fertilizer application time</p>	<p>text</p> <p>-----</p>
<p>N e8</p> <p>When should Urea be applied in the soil for irrigated cotton?</p> <p><i>Surveyor, do not read out the options to farmers</i></p>	<p>select_multiple fert_time</p> <p><input type="checkbox"/> At the time of sowing <sup>1</sup></p> <p><input type="checkbox"/> 30 days after sowing <sup>2</sup></p> <p><input type="checkbox"/> 60 days after sowing <sup>3</sup></p> <p><input type="checkbox"/> 90 days after sowing <sup>4</sup></p> <p><input type="checkbox"/> other .o</p> <p><input type="checkbox"/> does not know/remember .d</p>
<p>N e8_o</p> <p>Other fertilizer application time</p>	<p>text</p> <p>-----</p>
<p>N e9</p> <p>When should Urea be applied in the soil for un-irrigated cotton?</p> <p><i>Surveyor, do not read out the options to farmers</i></p>	<p>select_multiple fert_time</p> <p><input type="checkbox"/> At the time of sowing <sup>1</sup></p> <p><input type="checkbox"/> 30 days after sowing <sup>2</sup></p> <p><input type="checkbox"/> 60 days after sowing <sup>3</sup></p> <p><input type="checkbox"/> 90 days after sowing <sup>4</sup></p> <p><input type="checkbox"/> other .o</p> <p><input type="checkbox"/> does not know/remember .d</p>
<p>N e9_o</p> <p>Other fertilizer application time</p>	<p>text</p> <p>-----</p>
<p>N e10</p> <p>When should DAP be applied in the soil for cotton cultivation?</p> <p><i>Surveyor, do not read out the options to farmers</i></p>	<p>select_multiple fert_time</p> <p><input type="checkbox"/> At the time of sowing <sup>1</sup></p> <p><input type="checkbox"/> 30 days after sowing <sup>2</sup></p> <p><input type="checkbox"/> 60 days after sowing <sup>3</sup></p> <p><input type="checkbox"/> 90 days after sowing <sup>4</sup></p> <p><input type="checkbox"/> other .o</p> <p><input type="checkbox"/> does not know/remember .d</p>
<p>N e10_o</p>	<p>text</p>



Other fertilizer application time	-----
N e11 When should MoP be applied in the soil for cotton cultivation? <i>Surveyor, do not read out the options to farmers</i>	select_multiple fert_time <input type="checkbox"/> At the time of sowing <sup>1</sup> <input type="checkbox"/> 30 days after sowing <sup>2</sup> <input type="checkbox"/> 60 days after sowing <sup>3</sup> <input type="checkbox"/> 90 days after sowing <sup>4</sup> <input type="checkbox"/> other .o <input type="checkbox"/> does not know/remember .d
N e11_o Other fertilizer application time	text -----
N e12 What is the benefit of applying Urea to soil? <i>Surveyor, do not read out the options to farmers</i>	select_multiple fert_benefit <input type="checkbox"/> More green <sup>1</sup> <input type="checkbox"/> Increased height and more branches <sup>2</sup> <input type="checkbox"/> More flowers <sup>3</sup> <input type="checkbox"/> other .o <input type="checkbox"/> does not know/remember .d
N e12_o Other fertilizer benefit	text -----
N e13 What is the benefit of applying DAP to soil? <i>Surveyor, do not read out the options to farmers</i>	select_multiple fert_benefit <input type="checkbox"/> More green <sup>1</sup> <input type="checkbox"/> Increased height and more branches <sup>2</sup> <input type="checkbox"/> More flowers <sup>3</sup> <input type="checkbox"/> other .o <input type="checkbox"/> does not know/remember .d
N e13_o Other fertilizer benefit	text -----
N e14 What is the benefit of applying Potash to soil? <i>Surveyor, do not read out the options to farmers</i>	select_multiple fert_benefit <input type="checkbox"/> More green <sup>1</sup> <input type="checkbox"/> Increased height and more branches <sup>2</sup> <input type="checkbox"/> More flowers <sup>3</sup> <input type="checkbox"/> other .o <input type="checkbox"/> 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 <input type="radio"/> No <sup>0</sup> <input type="radio"/> Yes <sup>1</sup>
N f2 Please rate the calls in terms of their usefulness to you <i>1-5 rank, 1 not useful to 5 most useful</i> C string-length(.)=1 and regex(., '[1-5]')	integer -----
N f3 Would you like to suggest any changes in KT Calls?	text -----
N end1 Surveyor, please ensure that you have given signed consent form to the farmer	note
N end2 Surveyor, if farmer has not started harvesting then please inform them that we visit them again soon	note
N end3 Surveyor, please ensure that you have given soil health card to the farmer	note
N end4 We thank you for your time	note