

## **Edits for Practice and Area – Temporary Crops**

### **Form AgSS 97 / 3A**

#### **BV08 – Parcel**

Universe All fields

Valid Values 1 to 98

Edits

If BV08 is invalid, dump questionnaire for review.

#### **BV09 – Field**

Universe All fields

Valid Values 1 to 98

Edits

If BV09 is invalid dump questionnaire for review.

#### **BX1 – Household Head Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits

If BX1 is invalid impute 1 = Male

#### **BX2 – Holder Age**

Universe All fields

Valid Values 1 to 98

Edits

If BX2 is invalid, impute the average holder age in the EA.

### **BX3 – Holder Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits  
If BX3 is invalid, impute 1 = Male

### **BX4 – Holder Education**

Universe All fields

Valid Values 1 = illiterate  
2 = informal education  
3 = completed grade 1  
4 = completed grade 2  
5 = completed grade 3  
6 = completed grade 4  
7 = completed grade 5  
8 = completed grade 6  
9 = completed grade 7  
10 = completed grade 8  
11 = completed grade 9  
12 = completed grade 10  
13 = completed grade 11  
14 = completed grade 12  
15 = completed grade 12 +

Edits  
If BX4 is invalid, impute 1 = illiterate  
If BX4 = 16 impute 11 = completed grade 9  
If BX4 = 17 impute 12 = completed grade 10  
If BX4 = 18 impute 12 = completed grade 10  
If BX4 = 19 impute 12 = completed grade 10  
If BX4 = 20 impute 13 = completed grade 11  
If BX4 = 21 impute 14 = completed grade 12  
If BX4 = 22 impute 15 = completed grade 12+

### **BX5 – Holder Household Size**

Universe All fields

Valid Values 1 to 15

Edits  
If BX5 is invalid, impute the average household size in the EA.

### **BX6 – Holding Type**

Universe All fields

Valid Values 1 = crops only  
2 = Livestock only  
3 = Both

Edits

If BX6 is invalid, impute 3 = Both

### **B00 – Line Number**

Universe All fields

Valid Values 1 to 17

Edits

None

### **B00C – Temporary Crop**

Universe All fields

Valid Values 1 to 8 cereals  
11 to 18, 36 pulses  
23 to 28 oilseeds  
31, 33, 37, 39, 40, 79, 121 spices  
38, 52, 56, 57, 59, 63, 69, vegetables  
51, 53, 55, 58, 60, 62, 64 root crops  
73, 78, cotton and tobacco  
123 others

Edits

If B00C is invalid, dump questionnaire for review.

### **B01 – Owner Type**

Universe All fields

Valid Values 1 = owned  
2 = rented / leased  
3 = other

Edits

If B01 is invalid, impute most frequent type of ownership of all land for same holder

**B02 – Extension**

Universe All fields

Valid Values 1 = yes  
2 = No

Edits

If B02 is invalid, impute B02 = 2

**B03 – Irrigation**

Universe All fields

Valid Values 1 = yes  
2 = No

Edits

If B03 is invalid, impute B03 = 2

**B04 – Seed Type**

Universe All fields

Valid Values 1 = Improved  
2 = Local

Edits

1. If B04 is invalid and B05 is blank and B06 is valid, impute B04 = 1
2. If B04 is invalid and B05 is valid and B06 is blank, impute B04 = 1
3. If B04 is still invalid, impute B04 = 2
4. If B04 = 2 and B05 is blank and B06 is valid impute B04 = 1
5. If B04 = 1 and B05 is valid and B06 is blank impute B04 = 2

**B05 – Local Seed Quantity**

Universe Fields where B04 = 2

Valid Values 0.10 to 998.99  
999.99 = Not stated

Edits

If B05 is invalid, impute B05 = 999.99

**B06 – Improved Seed Quantity**

Universe Fields where B04 = 1

Valid Values 0.10 to 998.99  
999.99 = Not stated

Edits

If B06 is invalid, impute B06 = 999.99

**B07 – Improved Seed Price**

Universe Fields where B04 = 1

Valid Values 0.10 to 998.99  
999.99 = Not stated

Edits

If B07 is invalid, impute B07 = 999.99

**B08 – Crop Damaged**

Universe All fields

Valid Values 1 = Yes  
2 = No

Edits

1. If B08 is invalid and B09 is valid impute B08 = 1 otherwise impute B08 = 2
2. If B08 = 1 and B09 is blank, impute B08 = 2
3. If B08 = 2 and B09 is valid, impute B08 = 1

**B09 – Reason for Damage**

Universe Fields where B08 = 1

Valid Values 01 = Crop disease 06 = Shortage of rain 11 = Weeds  
02 = Frost 07 = Too much rain 12 = Shortage of seeds  
03 = Flood 08 = Wild animals 13 = Depletion of soil fertility  
04 = Locusts 09 = Birds 14 = Security problems  
05 = Insects 10 = Hail 15 = Others

Edits

If B09 is invalid impute B09 = 15

**B10 – Percent Damaged**

Universe Fields where B08 =1

Valid Values 1 to 100  
999 = Not stated

Edits

If B10 is invalid, impute B10 = 999

**B11 – Preventive Measures Taken**

Universe All fields

Valid Values 1 = Yes  
2 = No

Edits

1. If B11 is invalid and B12 or B13 are valid, impute B11 = 1 otherwise impute B11 = 2
2. If B11 = 1 and B12 and B13 are blank impute B11 = 2
3. If B11 = 2 and B12 or B13 are not blank, impute B11 = 1

**B12 – Preventive Measure Type**

Universe Fields where B11 = 1

Valid Values 1 = Chemicals  
2 = Non – chemical

Edits

If B12 is invalid, if B13 is not blank, impute B12 = 1 otherwise impute B12 = 2

**B13 – Chemical Type Used**

Universe Fields where B11 = 1 and B12 = 1

<u>Valid Values</u>	1 = Insecticides	5 = Insecticides & fungicides
	2 = Herbicide	6 = Herbicides & fungicides
	3 = Fungicides	7 = All three
	4 = Insecticides & herbicides	9 = Not stated

Edits

If B13 is invalid, impute B13 = 9

**B14 – Fertilizer Used**

Universe All fields

Valid Values 1 = Yes  
2 = No

Edits

1. If B14 is invalid, and B15, B16A, B16B are blank impute B14 = 2 otherwise impute B14 = 1
2. If B14 = 1 and B15, B16A, B16B are blank, impute B14 = 2
3. If B14 = 2 and B15, B16A, and B16B are not blank impute B14 = 1

**B15 – Fertilizer Type**

Universe Fields where B14 = 1

Valid Values 1 = Natural  
2 = Chemical  
3 = Both

Edits

1. If B15 is invalid, and B16A and B16B are blank, impute B15 = 1
2. If B15 is invalid, and B16A or B16B are not blank impute B15 = 2 otherwise impute B15 = 3

**B16A – Chemical Fertilizer Type**

Universe Fields where B14 = 1 and B15 = 2 or 3

Valid Values 1 = Urea  
2 = Dap  
3 = Both  
9 = Not stated

Edits

If B16A is invalid, impute B16A = 9

**B16B – Chemical Fertilizer Quantity**

Universe Fields where B14 = 1 and B15 = 2 or 3

Valid Values 0.01 to 998.99  
999.99 = Not stated

Edits

If B16B is invalid impute B16B = 999.99

**B17 – Natural Fertilizer Type**

Universe Fields where B14 = 1 and B15 = 1 or 3

<u>Valid Values</u>	1 = Manure	5 = Manure & organic
	2 = Compost	6 = Compost & organic
	3 = Organic	7 = All three
	4 = Manure & compost	9 = Not stated

Edits

If B17 is invalid, impute B17 = 9

**B25A – Day**

Universe All Fields

Valid values 1 to 30  
99 = Not stated

Edits

If B25A is invalid impute B25A = 99

**B25B – Month**

Universe All Fields

Valid values 1 to 12  
99 = Not stated

Edits

If B25B is invalid, impute B25B = 99

**B26 – Area in Square Metres**

Universe All fields

Valid values 0.10 to 19999.98  
99999.99 = Not stated

Edits

1. If B26 is invalid and B255B and B255D are blank impute B26 = 99999.99 otherwise dump questionnaire for review.



3. If B26 is valid and B255B and B255D are blank dump questionnaire for review.

### **B27 – Closure Error**

Universe All fields

Valid values 0.01 to 5

#### Edits

1. If B26 is valid, and B27 > 5 or blank, dump questionnaire for review.
1. If B26 and B27 are both invalid, dump questionnaire for review.

### **B255B – Bearings**

Universe All fields

Valid values 0 to 360

#### Edits

- If B255B is invalid, dump questionnaire for review.
- If B255B does not have corresponding valid B255D dump questionnaire for review.

### **B255D – Distance**

Universe All fields

Valid values 1.00 to 999.98

#### Edits

1. If B255D is invalid, dump questionnaire for review.
2. If B255D does not have corresponding valid B255B, dump questionnaire for review.

## **Edits for Practice and Area – Permanent Crops**

### **Form AgSS 97 / 3B**

#### **CV08 – Parcel**

Universe All fields

Valid Values 1 to 98

Edits

If CV08 is invalid, dump questionnaire for review.

#### **CV09 – Field**

Universe All fields

Valid Values 1 to 98

Edits

If CV09 is invalid dump questionnaire for review.

#### **CX1 – Household Head Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits

If CX1 is invalid impute 1 = Male

#### **CX2 – Holder Age**

Universe All fields

Valid Values 1 to 98

Edits

If CX2 is invalid, impute the average holder age in the EA.

### **CX3 – Holder Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits  
If CX3 is invalid, impute 1 = Male

### **CX4 – Holder Education**

Universe All fields

Valid Values 1 = illiterate  
2 = informal education  
3 = completed grade 1  
4 = completed grade 2  
5 = completed grade 3  
6 = completed grade 4  
7 = completed grade 5  
8 = completed grade 6  
9 = completed grade 7  
10 = completed grade 8  
11 = completed grade 9  
12 = completed grade 10  
13 = completed grade 11  
14 = completed grade 12  
15 = completed grade 12 +

Edits  
If CX4 is invalid, impute 1 = illiterate  
If CX4 = 16 impute 11 = completed grade 9  
If CX4 = 17 impute 12 = completed grade 10  
If CX4 = 18 impute 12 = completed grade 10  
If CX4 = 19 impute 12 = completed grade 10  
If CX4 = 20 impute 13 = completed grade 11  
If CX4 = 21 impute 14 = completed grade 12  
If CX4 = 22 impute 15 = completed grade 12+

### **CX5 – Holder Household Size**

Universe All fields

Valid Values 1 to 15

Edits  
If CX5 is invalid, impute the average household size in the EA.

### **CX6 – Holding Type**

Universe All fields

Valid Values 1 = crops only  
2 = Livestock only  
3 = Both

Edits

If CX6 is invalid, impute 3 = Both

### **C00 – Line Number**

Universe All fields

Valid Values 1 to 17

Edits

None

### **C00C – Permanent Crop**

Universe All fields

Valid Values 42, 44, 46, 47, 48, 49, 65, 71, 72, 74, 75, 76, 84, 124

Edits

If C00C is invalid, dump questionnaire for review.

### **C01 – Owner Type**

Universe All fields

Valid Values 1 = owned  
2 = rented / leased  
3 = other

Edits

If C01 is invalid, impute most frequent type of ownership of all land for same holder

### **C02 – Extension**

Universe All fields

Valid Values 1 = yes  
2 = No

Edits

If C02 is invalid, impute C02 = 2

**C03 – Number of Trees**

Universe All fields

Valid Values 1 to 99998  
99999 = Not stated

Edits

If C03 is invalid and C04 is valid, impute C03 = C04 otherwise impute  
C03 = 99999

**C04 – Number of Bearing Age Trees**

Universe All fields

Valid Values 1 to 99998  
99999 = Not stated

Edits

1. If C04 is invalid, and if C03 is valid impute C04 = C03 otherwise impute  
C04 = 99999
3. If C04 and C03 are valid and C04 > C03 impute C04 = C03

**C05 – Irrigation**

Universe All fields

Valid Values 1 = yes  
2 = No

Edits

If C05 is invalid, impute C05 = 2

**C06 – Seed / Seedling Type**

Universe All fields

Valid Values 1 = Improved  
2 = Local

Edits

If C06 is invalid impute C06 = 2

### **C07 – Crop Damaged**

Universe All fields

Valid Values 1 = Yes  
2 = No

#### Edits

1. If C07 is invalid and C08 is valid impute C07 = 1 otherwise impute C07 = 2
2. If C07 = 1 and C08 is blank, impute C07 = 2
3. If C07 = 2 and C08 is valid, impute C07 = 1

### **C08 – Reason for Damage**

Universe Fields where C07 = 1

Valid Values 01 = Crop disease 06 = Shortage of rain 11 = Weeds  
02 = Frost 07 = Too much rain 12 = Shortage of seeds  
03 = Flood 08 = Wild animals 13 = Depletion of soil fertility  
04 = Locusts 09 = Birds 14 = Security problems  
05 = Insects 10 = Hail 15 = Others

#### Edits

If C08 is invalid impute C08 = 15

### **C09 – Percent Damaged**

Universe Fields where C07 = 1

Valid Values 1 to 100  
999 = Not stated

#### Edits

If C09 is invalid, impute C09 = 999

### **C10 – Preventive Measures Taken**

Universe All fields

Valid Values 1 = Yes  
2 = No

#### Edits

4. If C10 is invalid and C11 or C12 are valid, impute C10 = 1 otherwise impute C10 = 2
5. If C10 = 1 and C11 and C12 are blank impute C10 = 2
6. If C10 = 2 and C11 or C12 are not blank, impute C10 = 1

### **C11 – Preventive Measure Type**

Universe Fields where C10 = 1

Valid Values 1 = Chemicals  
2 = Non – chemical

Edits

If C11 is invalid, if C12 is not blank, impute C11 = 1 otherwise impute C11 = 2

### **C12 – Chemical Type Used**

Universe Fields where C10 = 1 and C11 = 1

Valid Values 1 = Insecticides 5 = Insecticides & fungicides  
2 = Herbicide 6 = Herbicides & fungicides  
3 = Fungicides 7 = All three  
4 = Insecticides & herbicides 9 = Not stated

Edits

If C12 is invalid, impute C12 = 9

### **C13 – Fertilizer Used**

Universe All fields

Valid Values 1 = Yes  
2 = No

Edits

1. If C13 is invalid, and C14, C15A, C15B are blank impute C13 = 2 otherwise impute C13 = 1
2. If C13 = 1 and C14, C15A, C15B are blank, impute C13 = 2
3. If C13 = 2 and C14, C15A, and C15B are not blank impute C13 = 1

### **C14 – Fertilizer Type**

Universe Fields where C13 = 1

Valid Values 1 = Natural  
2 = Chemical  
3 = Both

Edits

4. If C14 is invalid, and C15A and C15B are blank, impute C14 = 1
5. If C14 is invalid, and C15A or C15B are not blank impute C14 = 2 otherwise impute C14 = 3

### **C15A – Chemical Fertilizer Type**

Universe Fields where C13 = 1 and C14 = 2 or 3

Valid Values 1 = Urea  
2 = Dap  
3 = Both  
9 = Not stated

#### Edits

If C15A is invalid, impute C15A = 9

### **C15B – Chemical Fertilizer Quantity**

Universe Fields where C13 = 1 and C14 = 2 or 3

Valid Values 0.01 to 998.99  
999.99 = Not stated

#### Edits

If C15B is invalid impute C15B = 999.99

### **C16 – Natural Fertilizer Type**

Universe Fields where C13 = 1 and C14 = 1 or 3

<u>Valid Values</u> 1 = Manure	5 = Manure & organic
2 = Compost	6 = Compost & organic
3 = Organic	7 = All three
4 = Manure & compost	9 = Not stated

#### Edits

If C16 is invalid, impute C16 = 9

### **C25A – Day**

Universe All Fields

Valid values 1 to 30  
99 = Not stated

#### Edits

If C25A is invalid impute C25A = 99

### **C25B – Month**

Universe All Fields



Valid values 1 to 12

99 = Not stated

Edits

If C25B is invalid, impute C25B = 99

**C26 – Area in Square Metres**

Universe All fields

Valid values 0.10 to 19999.98

99999.99 = Not stated

Edits

1. If C26 is invalid and C255B and C255D are blank impute C26 = 99999.99 otherwise dump questionnaire for review.
6. If C26 is valid and C255B and C255D are blank dump questionnaire for review.

**C27 – Closure Error**

Universe All fields

Valid values 0.01 to 5

Edits

If C27 > 5 or blank dump questionnaire for review.

**C255B – Bearings**

Universe All fields

Valid values 0 to 360

Edits

If C255B is invalid, dump questionnaire for review.  
If C255B does not have corresponding valid C255D dump questionnaire for review.

**C255D – Distance**

Universe All fields

Valid values 1.00 to 999.98

Edits

4. If C255D is invalid, dump questionnaire for review.
5. If C255D does not have corresponding valid C255B, dump questionnaire for review.

## **Edits for Practice and Area – Mixed Crops**

### **Form AgSS 97 / 3C**

#### **DV08 – Parcel**

Universe All fields

Valid Values 1 to 98

Edits

If DV08 is invalid, dump questionnaire for review.

#### **DV09 – Field**

Universe All fields

Valid Values 1 to 98

Edits

If DV09 is invalid dump questionnaire for review.

#### **DX1 – Household Head Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits

If DX1 is invalid impute 1 = Male

#### **DX2 – Holder Age**

Universe All fields

Valid Values 1 to 98

Edits

If DX2 is invalid, impute the average holder age in the EA.

### **DX3 – Holder Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits  
If DX3 is invalid, impute 1 = Male

### **DX4 – Holder Education**

Universe All fields

Valid Values 1 = illiterate  
2 = informal education  
3 = completed grade 1  
4 = completed grade 2  
5 = completed grade 3  
6 = completed grade 4  
7 = completed grade 5  
8 = completed grade 6  
9 = completed grade 7  
10 = completed grade 8  
11 = completed grade 9  
12 = completed grade 10  
13 = completed grade 11  
14 = completed grade 12  
15 = completed grade 12 +

Edits  
If DX4 is invalid, impute 1 = illiterate  
If DX4 = 16 impute 11 = completed grade 9  
If DX4 = 17 impute 12 = completed grade 10  
If DX4 = 18 impute 12 = completed grade 10  
If DX4 = 19 impute 12 = completed grade 10  
If DX4 = 20 impute 13 = completed grade 11  
If DX4 = 21 impute 14 = completed grade 12  
If DX4 = 22 impute 15 = completed grade 12+

### **DX5 – Holder Household Size**

Universe All fields

Valid Values 1 to 15

Edits  
If DX5 is invalid, impute the average household size in the EA.

### **DX6 – Holding Type**

Universe All fields

Valid Values 1 = crops only  
2 = Livestock only  
3 = Both

Edits  
If DX6 is invalid, impute 3 = Both

### **D00 – Line Number**

Universe All fields

Valid Values 1 to 20

Edits  
None

### **D00C – Temporary Crop**

Universe All fields

Valid Values 1 to 84, 116, 121, 122, 123, 124

Edits  
If D00C is invalid, dump questionnaire for review.

### **D01 – Owner Type**

Universe All fields

Valid Values 1 = owned  
2 = rented / leased  
3 = other

Edits  
If D01 is invalid, impute most frequent type of ownership of all land for same holder

## **D02 – Extension**

Universe All fields

Valid Values 1 = yes  
2 = No

### Edits

If B02 is invalid, impute B02 = 2

## **D03 – Irrigation**

Universe All fields

Valid Values 1 = yes  
2 = No

### Edits

If D03 is invalid, impute D03 = 2

## **D04 – Percentage Share of Area**

Universe All fields

Valid Values 1 to 99

### Edits

If D04 is invalid, dump questionnaire for review'

## **D05 – Number of Trees**

Universe All fields

Valid Values 1 to 99998  
99999 = Not stated

### Edits

If D05 is invalid and D06 is valid, impute D05 = D06 otherwise impute  
D05 = 99999

## **D06 – Number of Bearing Age Trees**

Universe All fields

Valid Values 1 to 99998  
99999 = Not stated

#### Edits

1. If D06 is invalid, and if D05 is valid impute  $D06 = D05$  otherwise impute  $D06 = 99999$
6. If D06 and D05 are valid and  $D06 > D05$  impute  $D06 = C05$

#### **D07 – Seed / Seedling Type**

Universe All fields

Valid Values 1 = Improved  
2 = Local

#### Edits

- If D07 is invalid impute  $D07 = 2$
1. If D07 is invalid and D08 is blank and D09 is valid, impute  $D07 = 1$
  2. If D07 is invalid and D08 is valid and D09 is blank, impute  $D07 = 1$
  3. If D07 is still invalid, impute  $D07 = 2$
  4. If  $D07 = 2$  and D08 is blank and D09 is valid impute  $D07 = 1$
  5. If  $D07 = 1$  and D08 is valid and D09 is blank impute  $D07 = 2$

#### **D08 – Local Seed Quantity**

Universe Fields where  $D07 = 2$

Valid Values 0.10 to 998.99  
999.99 = Not stated

#### Edits

If D08 is invalid, impute  $D08 = 999.99$

#### **D09 – Improved Seed Quantity**

Universe Fields where  $D07 = 1$

Valid Values 0.10 to 998.99  
999.99 = Not stated

#### Edits

If D09 is invalid, impute  $D09 = 999.99$

#### **D10 – Improved Seed Price**

Universe Fields where  $D07 = 1$

Valid Values 0.10 to 998.99  
999.99 = Not stated

Edits

If D10 is invalid, impute D10 = 999.99

**D11 – Crop Damaged**

Universe All fields

Valid Values 1 = Yes  
2 = No

Edits

1. If D11 is invalid and D12 is valid impute D11 = 1 otherwise impute D11 = 2
2. If D11 = 1 and D12 is blank, impute D11 = 2
3. If D11 = 2 and D12 is valid, impute D11 = 1

**D12 – Reason for Damage**

Universe Fields where D11 = 1

Valid Values 01 = Crop disease 06 = Shortage of rain 11 = Weeds  
02 = Frost 07 = Too much rain 12 = Shortage of seeds  
03 = Flood 08 = Wild animals 13 = Depletion of soil fertility  
04 = Locusts 09 = Birds 14 = Security problems  
05 = Insects 10 = Hail 15 = Others

Edits

If D12 is invalid impute D12 = 15

**D13 – Percent Damaged**

Universe Fields where D11=1

Valid Values 1 to 100  
999 = Not stated

Edits

If D13 is invalid, impute D13 = 999

**D14 – Preventive Measures Taken**

Universe All fields

Valid Values 1 = Yes  
2 = No

#### Edits

7. If D14 is invalid and D15 or D16 are valid, impute D14 = 1 otherwise impute D14 = 2
8. If D14 = 1 and D15 and D16 are blank impute D14 = 2
9. If D14 = 2 and D15 or D16 are not blank, impute D14 = 1

### **D15 – Preventive Measure Type**

Universe Fields where D14 = 1

Valid Values 1 = Chemicals  
2 = Non – chemical

#### Edits

If D15 is invalid, if D16 is not blank, impute D15 = 1 otherwise impute D15 = 2

### **D16 – Chemical Type Used**

Universe Fields where D14 = 1 and D15 = 1

<u>Valid Values</u>	1 = Insecticides	5 = Insecticides & fungicides
	2 = Herbicide	6 = Herbicides & fungicides
	3 = Fungicides	7 = All three
	4 = Insecticides & herbicides	9 = Not stated

#### Edits

If D16 is invalid, impute D16 = 9

### **D17 – Fertilizer Used**

Universe All fields

Valid Values 1 = Yes  
2 = No

#### Edits

1. If D17 is invalid, and D18, D19A, D19B are blank impute D17 = 2 otherwise impute D17 = 1
2. If D17 = 1 and D18, D19A, D19B are blank, impute D17 = 2
3. If D17 = 2 and D18, D19A, and D19B are not blank impute D17 = 1

### **D18 – Fertilizer Type**

Universe Fields where D17 = 1



Valid Values 1 = Natural  
2 = Chemical  
3 = Both

Edits

7. If D18 is invalid, and D19A and D19B are blank, impute D18 = 1
8. If D18 is invalid, and D19A or D19B are not blank impute D18 = 2  
otherwise impute D18 = 3

**D19A – Chemical Fertilizer Type**

Universe Fields where D17 = 1 and D18 = 2 or 3

Valid Values 1 = Urea  
2 = Dap  
3 = Both  
9 = Not stated

Edits

If D19A is invalid, impute D19A = 9

**D19B – Chemical Fertilizer Quantity**

Universe Fields where D17 = 1 and D18 = 2 or 3

Valid Values 0.01 to 998.99  
999.99 = Not stated

Edits

If D19B is invalid impute D19B = 999.99

**D20 – Natural Fertilizer Type**

Universe Fields where D17 = 1 and D18 = 1 or 3

<u>Valid Values</u> 1 = Manure	5 = Manure & organic
2 = Compost	6 = Compost & organic
3 = Organic	7 = All three
4 = Manure & compost	9 = Not stated

Edits

If D20 is invalid, impute D20 = 9

**D25A – Day**

Universe All Fields

Valid values 1 to 30  
99 = Not stated

Edits

If D25A is invalid impute D25A = 99

**D25B – Month**

Universe All Fields

Valid values 1 to 12

99 = Not stated

Edits

If D25B is invalid, impute D25B = 99

**D26 – Area in Square Metres**

Universe All fields

Valid values 0.10 to 19999.98

99999.99 = Not stated

Edits

1. If D26 is invalid and D255B and D255D are blank impute D26 = 99999.99 otherwise dump questionnaire for review.
9. If D26 is valid and D255B and D255D are blank dump questionnaire for review.

**D27 – Closure Error**

Universe All fields

Valid values 0.01 to 5

Edits

If D26 is valid, if D27 > 5 or blank dump questionnaire for review.

**D255B – Bearings**

Universe All fields

Valid values 0 to 360

Edits

If D255B is invalid, dump questionnaire for review.  
If D255B does not have corresponding valid D255D dump questionnaire for review.

**D255D – Distance**

Universe All fields

Valid values 1.00 to 999.98

Edits

7. If D255D is invalid, dump questionnaire for review.
8. If D255D does not have corresponding valid D255B, dump questionnaire for review.

## **Edits for Area – Other Land Use**

### **Form AgSS 97 / 3D**

#### **EV08 – Parcel**

Universe All fields

Valid Values 1 to 98

Edits

If EV08 is invalid, dump questionnaire for review.

#### **EV09 – Field**

Universe All fields

Valid Values 1 to 98

Edits

If EV09 is invalid dump questionnaire for review.

#### **EX1 – Household Head Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits

If EX1 is invalid impute 1 = Male

#### **EX2 – Holder Age**

Universe All fields

Valid Values 1 to 98

Edits

If EX2 is invalid, impute the average holder age in the EA.

### **EX3 – Holder Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits  
If EX3 is invalid, impute 1 = Male

### **EX4 – Holder Education**

Universe All fields

Valid Values 1 = illiterate  
2 = informal education  
3 = completed grade 1  
4 = completed grade 2  
5 = completed grade 3  
6 = completed grade 4  
7 = completed grade 5  
8 = completed grade 6  
9 = completed grade 7  
10 = completed grade 8  
11 = completed grade 9  
12 = completed grade 10  
13 = completed grade 11  
14 = completed grade 12  
15 = completed grade 12 +

Edits  
If EX4 is invalid, impute 1 = illiterate  
If EX4 = 16 impute 11 = completed grade 9  
If EX4 = 17 impute 12 = completed grade 10  
If EX4 = 18 impute 12 = completed grade 10  
If EX4 = 19 impute 12 = completed grade 10  
If EX4 = 20 impute 13 = completed grade 11  
If EX4 = 21 impute 14 = completed grade 12  
If EX4 = 22 impute 15 = completed grade 12+

### **EX5 – Holder Household Size**

Universe All fields

Valid Values 1 to 15

Edits  
If EX5 is invalid, impute the average household size in the EA.

### **EX6 – Holding Type**

Universe All fields

Valid Values 1 = crops only  
2 = Livestock only  
3 = Both

Edits  
If EX6 is invalid, impute 3 = Both

### **E3 – Land Use**

Universe All fields

Valid Values 85, 86, 89, and 99

Edits  
If E3 is invalid, dump questionnaire for review.

### **E5 – Ownership Type**

Universe All fields

Valid Values 1 = owned  
2 = rented / leased  
3 = other

Edits  
If E5 is invalid, impute the most frequent type of ownership for same holder.

### **E25A – Day**

Universe All Fields

Valid values 1 to 30  
99 = Not stated

Edits  
If E25A is invalid impute E25A = 99

### **E25B – Month**

Universe All Fields

Valid values 1 to 12  
99 = Not stated

Edits

If E25B is invalid, impute E25B = 99

**E26 – Area in Square Metres**

Universe All fields

Valid values 0.10 to 19999.98  
99999.99 = Not stated

Edits

1. If E26 is invalid and E255B and E255D are blank impute E26 = 99999.99 otherwise dump questionnaire for review.
10. If E26 is valid and E255B and E255D are blank dump questionnaire for review.

**E27 – Closure Error**

Universe All fields

Valid values 0.01 to 5

Edits

If E26 is valid, if E27 > 5 or blank dump questionnaire for review.

**E255B – Bearings**

Universe All fields

Valid values 0 to 360

Edits

If E255B is invalid, dump questionnaire for review.  
If E255B does not have corresponding valid E255D dump questionnaire for review.

**E255D – Distance**

Universe All fields

Valid values 1.00 to 999.98

Edits

9. If E255D is invalid, dump questionnaire for review.
10. If E255D does not have corresponding valid E255B, dump questionnaire for review.

## **E7 – Line Number**

Universe All fields

Valid Values 1 to 9

Edits  
None

## **E8 – Miscellaneous Questions**

### **E8.1 – Rotation of Crops**

Universe – All Fields

Valid Values 1 = yes  
2 = no

Edits  
If E8.1 is invalid impute 1 = yes

### **E8.2 – Irrigation source**

Universe – All Irrigated Fields

Valid Values 1 = river  
2 = lake  
3 = pool  
4 = pond  
5 = others  
6 = none

Edits  
If E8.2 is invalid impute 6 = none

### **E8.3 – Erosion prevention**

Universe – All Fields

Valid Values 1 = terracing  
2 = Water catchments  
3 = a forestation  
4 = horizontal ploughing  
5 = others  
6 = none

Edits  
If E8.3 is invalid impute 6 = none



#### **E8.4 – Reason for not using any Fertilizer**

Universe – All Fields under Crops

Valid Values 1 = Ignorance  
2 = High cost  
3 = Financial problem  
4 = Non - availability of fertilizer  
5 = Non – availability of credit service  
6 = Sceptical of its effect  
7 = Others

Edits

If E8.4 is invalid, impute E8.4 = 7

#### **E8.5 – Extension package**

Universe – All Holders

Valid Values 1 = Yes  
2 = No

Edits

If E8.5 is invalid, impute E8.5 = 2

#### **E8.6 – Reason for not Participating in Extension Package**

Universe – All Holders

Valid Values 1 = Ignorance  
2 = Shortage of money  
3 = Sceptical of its effect  
4 = Not available in the locality  
5 = Shortage of land / Livestock  
6 = others

Edits If E8.6 is invalid, impute 6 = Others

#### **E8.7 – Use of Credit Services**

Universe – All Holders

Valid Values 1 = Yes  
2 = No

Edits

If E8.7 is invalid, impute 2 = No

### **E8.8 – Use of Advisory Services**

Universe – All Holders

Valid Values 1 = Yes  
2 = No

Edits  
If E8.8 is invalid, impute 2 = No

### **E8.9 – Supplier of Chemical Fertilizer**

Universe – All Holders Using Fertilizers

Valid Values 1 = government organization  
2 = private company  
3 = merchants  
4 = others  
5 = none

Edits If E8.9 is invalid impute 5 = none

## **Edits for Production – Temporary Crops**

### **Form AgSS 97 / 5**

#### **IV08 – Parcel**

Universe All fields

Valid Values 1 to 98

Edits

If IV08 is invalid, dump questionnaire for review.

#### **IV09 – Field**

Universe All fields

Valid Values 1 to 98

Edits

If IV09 is invalid dump questionnaire for review.

#### **IX1 – Household Head Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits

If IX1 is invalid impute 1 = Male

#### **IX2 – Holder Age**

Universe All fields

Valid Values 1 to 98

Edits

If IX2 is invalid, impute the average holder age in the EA.

### **IX3 – Holder Sex**

Universe All fields

Valid Values 1 = Male  
2 = Female

Edits  
If IX3 is invalid, impute 1 = Male

### **IX4 – Holder Education**

Universe All fields

Valid Values 1 = illiterate  
2 = informal education  
3 = completed grade 1  
4 = completed grade 2  
5 = completed grade 3  
6 = completed grade 4  
7 = completed grade 5  
8 = completed grade 6  
9 = completed grade 7  
10 = completed grade 8  
11 = completed grade 9  
12 = completed grade 10  
13 = completed grade 11  
14 = completed grade 12  
15 = completed grade 12 +

Edits  
If IX4 is invalid, impute 1 = illiterate  
If IX4 = 16 impute 11 = completed grade 9  
If IX4 = 17 impute 12 = completed grade 10  
If IX4 = 18 impute 12 = completed grade 10  
If IX4 = 19 impute 12 = completed grade 10  
If IX4 = 20 impute 13 = completed grade 11  
If IX4 = 21 impute 14 = completed grade 12  
If IX4 = 22 impute 15 = completed grade 12+

### **IX5 – Holder Household Size**

Universe All fields

Valid Values 1 to 15

Edits  
If IX5 is invalid, impute the average household size in the EA.

## **IX6 – Holding Type**

Universe All fields

Valid Values 1 = crops only  
2 = Livestock only  
3 = Both

### Edits

If IX6 is invalid, impute 3 = Both

## **I03 – Temporary Crop**

Universe All fields

Valid Values 1 to 8 cereals  
11 to 18, 36 pulses  
23 to 28 oilseeds

### Edits

1. If I03 is invalid, impute from B00C/ D00C in corresponding practice & area record (AgSS 97/3A, 97/3C) if B00C / D00C are valid, other wise dump questionnaire for review.
2. If pure field, if I03  $\neq$  B00C, dump questionnaire for review.
3. If mixed field, if I03  $\neq$  D003, dump questionnaire for review.

## **I05A – Day of Harvest**

Universe All fields

Valid Values 1 to 30  
99 = Not stated

### Edits

If I05A is invalid, impute I05A = 99

## **I05B – Month of Harvest**

Universe All fields

Valid Values 1 to 12  
99 = Not stated

### Edits

If I05B is invalid, impute I05B = 99

### **I06 – Fresh Weight**

Universe All fields

Valid Values 0.000 to 11.999  
99.999 = Not stated

Edits  
If I06 is invalid, and I08 is valid impute I06 = I08, if both are invalid, impute the average in the EA for same crop.

### **I07A – Day of Dry Weighing**

Universe All fields

Valid Values 1 to 30  
99 = Not stated

Edits  
If I07A is invalid, impute I07A = 99

### **I07B – Month of Dry Weighing**

Universe All fields

Valid Values 1 to 12  
99 = Not stated

Edits  
If I07B is invalid, impute I07B = 99

### **I08 – Dry Weight**

Universe All fields

Valid Values 0.000 to 11.999  
99.999 = Not stated

Edits  
1. If I08 is invalid, and I06 is valid impute I08 = I06, if both are invalid, impute the average in the EA for same crop.  
2. If I08 > I06 impute I08 = I06

### **I09 – Crop Damaged**

Universe All fields

Valid Values 1 = Yes  
2 = No

### Edits

1. If I09 is invalid and I10 is valid impute I09 = 1 otherwise impute I09 = 2
2. If I09 = 1 and I10 is blank, impute I09 = 2
3. If I09 = 2 and I10 is valid, impute I09 = 1

### **I10 – Reason for Damage**

Universe Fields where I09 = 1

Valid Values 01 = Crop disease 06 = Shortage of rain 11 = Weeds  
02 = Frost 07 = Too much rain 12 = Shortage of seeds  
03 = Flood 08 = Wild animals 13 = Depletion of soil fertility  
04 = Locusts 09 = Birds 14 = Security problems  
05 = Insects 10 = Hail 15 = Others

### Edits

If I10 is invalid impute I10 = 15

### **I12 – Percent Damaged**

Universe Fields where I09 = 1

Valid Values 1 to 99.98  
99.99 = Not stated

### Edits

If I12 is invalid, impute I12 = 99.99

### **I13 – Crop Type**

Universe All Fields

Valid Values 1 = Pure  
2 = Mixed

### Edits

If I13 is invalid, dump questionnaire for review.