

# Consistency edit checks

## Section 1

$$Q.1 = 1-4 \iff Q.2 \neq b$$

$$2.(i) Q.2 \neq b \iff Q.3 \neq b \iff \text{at least one of the codes } 011, 191, 201, 211, 221 \text{ should not be blank.}$$

$$3. Q.3 = 1, 2 \iff Q.4 \neq b \iff (ii) Q.2 \neq b \text{ and Acres} = 001 \iff \text{Code 2 of } \text{Code 011} < 50$$

$$4. Q.4 = 1-3 \iff Q.5 \neq b$$

$$5.(i) Q.5 = 1-4 \iff Q.6$$

$$(ii) Q.5 = 1 \iff \text{Code } 191 \text{ in section 2} \neq b$$

$$(iii) Q.5 = 2 \iff \text{any of the codes } 011 - 082, 191, 192 \text{ in section 2} \neq b$$

$$(iv) Q.5 = 3 \iff \text{Code } 221 \text{ in section 2} \neq b$$

$$6.(i) Q.6 = 1-7 \iff Q.7$$

$$(ii) Q.6 = 1-4 \iff \text{any of the codes } 181, 231, 261 \text{ in section 2} \neq b$$

$$(iii) Q.6 = 3 \iff \text{any of the codes } 231, 241 \text{ in section 2} \neq b$$

$$(iv) Q.6 = 5 \iff \text{any of the codes } 171, 251 \text{ in section 2} \neq b$$

$$7.(i) Q.7 = 1-6 \iff Q.8$$

$$(ii) Q.7 = 1 \iff \text{Code } 271 \text{ in section 2} \neq b$$

$$(iii) Q.7 = 3 \iff \text{any of the codes } 091, 094, 281, 284 \text{ in section 2} \neq b$$

$$8. Q.8 = 1-6 \iff Q.9(a)$$

$$9.(i) Q.9(a) = 1 \iff Q.9(b)$$

$$(ii) Q.9(b) = 1, 2 \iff Q.10$$

$$(iii) Q.9(a) = 2 \iff Q.10$$

$$10.(i) Q.10 = 1-3$$

$$(ii) Q.10 = 1 \iff \text{any of the codes } 291, 294, 061, 064 \text{ in section 2} \neq b$$

## Section 2

✓

1. Col 2-4 <sup>of the</sup> If any codes 011, 021, 041, 051, 054, 061, 064, 101, 171, 191, 201, 211, 221, 231, 241, 251, 261, 281, 284, 291, 294, 311 is circled Then Col. 2-4 of the corresponding row should not be blank.
2. Col. 5-7 If any of the codes 053, 063, 093, 103, 104, 112, 113, 122, 123, 132, 133, 152, 153, 162, 163, 213, 223, 283, 293, 302, 322, 342, 352 is circled Then Col. 5-7 of the corresponding row should not be blank.
3. Col 8-28
  - (i) Col 8  $\neq b \Leftrightarrow$  Col 11, 14  $\neq b \Rightarrow$  Col 26  $\neq b$
  - (ii) Col 9  $\neq b \Leftrightarrow$  Col 12, 15  $\neq b \Rightarrow$  Col 27  $\neq b$
  - (iii) Col 10  $\neq b \Leftrightarrow$  Col 13, 16  $\neq b \Rightarrow$  Col 28  $\neq b$
  - (iv) Col 17  $\neq b \Leftrightarrow$  Col 20, 23  $\neq b \Rightarrow$  Col 26  $\neq b$
  - (v) Col 18  $\neq b \Leftrightarrow$  Col 21, 24  $\neq b \Rightarrow$  Col 27  $\neq b$
  - (vi) Col 19  $\neq b \Leftrightarrow$  Col 22, 25  $\neq b \Rightarrow$  Col 28  $\neq b$
4. Q. 10 If any of the codes 361-369 is circled Then the Value Column  $\neq b$
5. Q. 11 At least there should be information for one item in Col 1. For such items Col 2-5 should not be blank.
6. Harvested Qty.  $\neq b$   $\Rightarrow$  72100 and  $< 4200$  of Q. 2 in ~~section~~ section 1 Acres = 001
7. Sales - Qty.  $\neq b \Leftrightarrow$  Price per unit  $\neq b$ .

# Consistency edit checks

## Section 1

b - blank.

- E21-C1  
E22-E2 1. Q.1  $\neq$  b  $\iff$  Q.2  $\neq$  b ✓
- E22-E2 2. (i) Q.2  $\neq$  b  $\iff$  Q.3  $\neq$  b  $\iff$  at least one of the codes 011, 191, 201, 211 and 221 should not be blank.
- E23-E3 3. (ii) Q.2  $\neq$  b and Acres  $< 1$   $\iff$  Col. 2 of codes 011, 191, 221  $< 50$   
 Acres  $\geq 1 \implies$  Col 2 of codes 011, 191, 221  $\geq 50$
- E24-E4 3. Q.3 = 1, 2  $\iff$  Q.4  $\neq$  b. ✓
- E25-E5 4. Q.4  $\neq$  b  $\iff$  Q.5  $\neq$  b. ✓
- E26-E6 5. (i) Q.5  $\neq$  b  $\iff$  Q.6  $\neq$  b. ✓
- 25/4/90 (ii) Q.5 = 1  $\iff$  at least one of the codes 011, 221, 191  $\neq$  b. Col. 2 in section 2  $\neq$  b.
- 25/4/90 (iii) Q.5 = 2  $\iff$  at least one of the codes 201, 213 in section 2  $\neq$  b. Col. 2 P
- 25/4/90 (iv) Q.5 = 3  $\iff$  Col. 2 of code 221 in section 2  $\neq$  b.
- F27-E7 6. (i) Q.6  $\neq$  b  $\iff$  Q.7  $\neq$  b.
- (ii) Q.6 = 1  $\iff$  at least one of the codes 181, 184, 231, 261 Col. 2 in section 2  $\neq$  b. R
- (iii) Q.6 = 3  $\iff$  at least one of the codes 231, 241 in section 2  $\neq$  b. Col. 2
- (iv) Q.6 = 5  $\iff$  at least one of the codes 171, 251 in section 2  $\neq$  b. Col. 2
- E28-E8 7. (i) Q.7  $\neq$  b  $\iff$  Q.8  $\neq$  b.
- (ii) Q.7 = 1  $\iff$  Col. 2 of code 271 in section 2  $\neq$  b.
- (iii) Q.7 = 3  $\iff$  at least one of the codes 051, 054, 091, 094, 281, 284 in section 2  $\neq$  b. Col. 2
- E29-E9 8. Q.8  $\neq$  b  $\iff$  Q.9 (a)  $\neq$  b.
- E30-E10 9. (i) Q.9(a) = 1  $\iff$  Q.9 (b)  $\neq$  b.
- 25/4/90 (ii) Q.9(a) = 1, 2  $\iff$  Q.10  $\neq$  b.
- 25/4/90 (iii) Q.9(a) = 2  $\iff$  Q.10  $\neq$  b. MFC3
10. (i) Q.10 = 1  $\iff$  at least one of the codes 291, 294, 061, 064 in section 2  $\neq$  b. Col. 2

Section 2

Col. 2 - 4 (i) If any of the code 011, 041, 051, 054, 061, 064, 091, 094, 171, 181, 191, 201, 211, 222, 231, 241, 251, 261, 281, 284, 291, 294 is circled. Then col. 2 - 4 of the corresponding row should not be blank. and the activity of which the above code belongs. should not be blank.

(ii) If col. 4  $\neq$  b in code 011  $\Leftrightarrow$  at least one of the col. 8, 9, 10, 17, 18, 19, 29 of code 022  $\neq$  b.

If col. 4  $\neq$  b in code  $i$   $\Leftrightarrow$  at least one of the col. 8, 9, 10, 17, 18, 19, 29 of code  $(i+1) \neq$  b

where  $i = 041, 051, 061, 084, 171, 181, 191, 221, 231, 241, 251, 261, 281, 291$

(ii) If col. 4  $\neq$  b in code  $j \Leftrightarrow$  at least one of the col. 8, 9, 10, 17, 18, 19, 29 of code  $(j-2) \neq$  b where  $j = 054, 064, 094, 284, \text{ and } 294$ .

[054, 064, 094, 284, 294 were introduced in addition to 051, 061, 091, 281 and 291 respectively, where the unit is given in Kg. for relevant codes.]

If col. 4  $\neq$  b in code 201, 211  $\Rightarrow$  at least one of the col. 8, 9, 10, 17, 18, 19, 29 of code 202, 212  $\neq$  b respectively. 052, 092, 282, 052, 092, 282.

2. Col. 5-7, (i) If any of the code 053, 063, 093, 103, 104, 112, 113, 122, 123, 132, 133, 152, 153, 162, 163, 213, 223, 283, 293, 302, 322, 342, 352 is circled then col. 5 - 7 of the corresponding row of the activity of which the above code belongs should not be blank.

3. Col. 8 - 28 (i) Col. 8  $\neq$  b  $\Leftrightarrow$  Col. 11, 14  $\neq$  b  $\Rightarrow$  Col. 26  $\neq$  b

(ii) Col. 9  $\neq$  b  $\Leftrightarrow$  Col. 12, 15  $\neq$  b  $\Rightarrow$  Col. 27  $\neq$  b

(iii) Col. 10  $\neq$  b  $\Leftrightarrow$  Col. 13, 16  $\neq$  b  $\Rightarrow$  Col. 28  $\neq$  b

(iv) Col. 17  $\neq$  b  $\Leftrightarrow$  Col. 20, 23  $\neq$  b  $\Rightarrow$  Col. 26  $\neq$  b

(v) Col. 18  $\neq$  b  $\Leftrightarrow$  Col. 21, 24  $\neq$  b  $\Rightarrow$  Col. 27  $\neq$  b

(vi) Col. 19  $\neq$  b  $\Leftrightarrow$  Col. 22, 25  $\neq$  b  $\Rightarrow$  Col. 28  $\neq$  b

4. Q.10 (i) If any of the codes 361-369 is circled then the corresponding value column  $\neq$  b.

(ii) Value column for code 363  $\neq$  b  $\in$  L

Contd. ..../-

5. Q.11

There should be information for atleast one item in column 1. For such items col. 2 - 5 should not be blank.

6. Harvested Qty.  $\frac{100}{b}$  and ~~1000~~  $\left\langle \frac{\text{harvested Qty.}}{Q.2 \text{ of section 1(A)}} \right\rangle 4200$  F7

Where A = Acres + Roods + Perches of Q.2 in section 1.

gf

7. Sales Qty.  $\frac{4}{A}$   $\left\langle \Rightarrow \right\rangle$  Price per unit  $\frac{160}{b}$  ES