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Trial: 87KA39/4534EX

Title: Selection of subclover cultivars - early maturing

Aim: To select in the field subterranean clover cultivars of early maturity having superior persistence and productivity.

Location: W.W. & L.J. Filmer, Nyabing

Details: 23 lines selected from the NSCIP, 4 clover cultivars, 1 medic cultivar, 2 nil, 4 replicates. Plots 5 m x 2.5 m.
Old land, loamy sand over clay.
Sown 13/5, handbroadcast 15 kg/ha, harrowed. Medic IP.
200 kg/ha super, Cu, Zn, Mo + 50 kg/ha KCl.
Fusilade 250 ml/ha, 30/7.

Results: Legume plant establishment, No/sqm, 22/6.
Seed yield, kg/ha, 12/11.

Comments:

1. Reasonable establishment of clover averaging 177 plants/sqm but medic only 50% that of clover.
2. Poor seasonal conditions with rainfall well below average.
3. Seed production low ranging from 8-80 kg/ha.
4. Continuation of trial will depend on regeneration in 1988.

Table 4. 87KA39 production measurements - 1987

| Line | Plants no. sqm. | Clover seed | Medic seed |
|---------------------|--------------------|----------------|---------------|
| Nungarin | 164 | 56 | 0 |
| Northam | 261 | 66 | 0 |
| Geraldton | 206 | 80 | 0 |
| Dalkeith | 139 | 21 | 0 |
| 70119 | 136 | 43 | 0 |
| 83994B | 164 | 25 | 0 |
| 69S26-112-2 | 226 | 45 | 0 |
| 69S30-5-4-1 | 167 | 18 | 0 |
| 69S32-119-2 | 183 | 8 | 0 |
| 75S05-22-3 | 181 | 48 | 0 |
| 75S05-108 | 175 | 69 | 0 |
| 75S08-104 | 170 | 80 | 0 |
| 76S16-9-4-3 | 185 | 20 | 0 |
| 76S16-9-5-1-4 | 205 | 24 | 0 |
| 76S16-9-5-3-1 | 192 | 47 | 0 |
| 76S16-9-5-4-1 | 212 | 64 | 0 |
| 76S16-9-5-6-1 | 209 | 39 | 0 |
| 76S27-107-2 | 172 | 32 | 0 |
| 76S31-108-2 | 158 | 24 | 0 |
| 76S32-1-4-1 | 156 | 41 | 0 |
| 76S32-1-6-2 | 189 | 38 | 0 |
| 76S32-2-4-1 | 175 | 36 | 0 |
| 76S32-2-4-2 | 169 | 18 | 0 |
| 76S32-122-3 | 150 | 53 | 0 |
| 76S32-123-3 | 178 | 39 | 0 |
| HD20-1-2 | 195 | 69 | 0 |
| 8B40-2-1-1 | 201 | 45 | 0 |
| Santiago | 83 | 6 | 17 |
| Nil | 12 | 15 | 0 |
| Av. sown treatments | 177 | 41 | 17 |