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Trial: 87WH50/4534EX

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: Wongan Hills Research Station, Paddock 2EE

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, Wongan loamy sand.
Sown 21/4, clover 15 kg/ha, medic 12 kg/ha, handbroadcast, harrowed. Medic IP.
200 kg/ha super, Cu, Zn, Mo + 50 kg/ha KCl. Some hand weeding of capeweed, doublegee.

Results: Legume plant establishment, no/sqm, 26/6.
Seed yield, kg/ha, 18/11.

Comments:

1. Germination delayed because of dry conditions.
2. Establishment density averaged 114 plants/sqm - about 30% below expected level. Density of medic only about 50% that of the clover.
3. While seed yields were low Dalkeith again produced the highest quantity (235 kg/ha). The yield of Santiago burr medic seed was relatively good (170 kg/ha) taking into account the seasonal conditions.

Table 2. 87WH50 production measurements - 1987

Line	Plants no. sqm.	Clover seed	Medic seed
Nungarin	135	179	0
Northam	118	97	0
Geraldton	106	111	0
Dalkeith	75	235	0
70119	134	86	0
83994B	131	98	0
69S26-112-2	129	36	0
69S30-5-4-1	130	78	1
69S32-119-2	106	33	0
75S05-22-3	106	115	0
75S05-108	109	75	0
75S08-104	95	125	3
76S16-9-4-3	179	37	0
76S16-9-5-1-4	117	35	0
76S16-9-5-3-1	108	36	0
76S16-9-5-4-1	118	78	0
76S16-9-5-6-1	117	66	0
76S27-107-2	114	105	0
76S31-108-2	119	100	0
76S32-1-4-1	139	100	3
76S32-1-6-2	97	78	0
76S32-2-4-1	97	86	0
76S32-2-4-2	103	88	0
76S32-122-3	97	195	2
76S32-123-3	86	168	0
HD20-1-2	120	131	0
8B40-2-1-1	157	70	0
Santiago	54	9	168
Nil	11	18	0
Av. sown treatments	114	94	168