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Department of Agriculture and Food, Western Australia, Perth. Report.

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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