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## Selection of sub clover cultivars - early mid.

Department of Agriculture, Western Australia

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Trial: 87M048/4534EX

Title: Selection of sub. clover cultivars - early mid.

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

Location: I.N. & G.W. Kopke, Koojan

Details: 22 lines selected from the NSCIP, 5 clover cultivars, 2 medic cultivars, 1 nil, 4 replicates. Plots 5 m x 2.5 m. Old land, sandy loam, cropped 1985. Sown 6/5/87 (Trikkala 12/5) by hand broadcasting clover 15 kg/ha, medic 12 kg/ha and harrowing. 200 kg/ha plain super, 50 kg/ha KCl. Grazed in common with paddock.

Results: Clover establishment, plants /sq.m, 2/6  
% clover, 29/7  
Rating for damage from RLEM, 29/7  
Seed yield, kg/ha, 17/11

Comments:

1. Good establishment.
2. Some weed growth, radish, controlled by grazing.
3. Sheep preferentially grazed trial area severely until excluded in late August. Could have reduced seed yield of earlier maturing lines and the medics.
4. Seed yields low - poor season, some weeds, heavy grazing and possibly inadequate phosphate.

Table 5. 87M048 Production Measurements - 1987

Line	Plants no/sq.m	% Legume 29/7	RLEM 29/7	Clover seed	Medic seed
Daliak	211	56	2.3	144	0
Dalkeith	206	51	2.0	214	0
Seaton-Park	217	51	1.8	248	0
Junee	264	49	2.0	123	0
Trikkala	58	30	2.5	90	0
65322B	239	54	1.8	51	0
65328A	201	43	2.5	54	0
65328F	214	39	2.0	62	0
65328G	240	34	3.0	55	0
89838G	228	50	1.8	82	2
89840A	321	58	1.8	100	0
89846B	264	55	1.3	173	0
89848D	215	58	1.3	150	0
89881E	259	59	2.0	59	0
69S37-1	183	35	2.3	145	0
69S37-3	220	46	1.8	165	0
69S49-1	255	46	1.5	45	0
74S21-2	280	51	2.3	72	0
74S21-6	198	55	2.3	117	0
74S21-8	183	43	2.3	307	0
75S11-7	214	56	1.8	114	0
75S13-12	248	44	2.3	87	0
76S40-6	159	41	2.8	57	0
76S40-7	293	46	3.0	54	0
76S41-1	268	49	2.0	151	0
76S41-2	250	44	2.5	98	0
89841E	178	41	1.5	82	0
Santiago	105	31	3.3	28	64
Zodiac	206	38	3.0	24	4
Nil	40	16	2.4	32	0
Av. sown lines	219	46	2.2	113	34