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SUMMARY OF EXPERIMENTAL RESULTS WITH SWEET LUPINS 1971

J.E.L. Cripps

Medina and Shenton Park. Uniharvest lupins

These experiments dealt with time of application of 245TP and showed fairly conclusively that it should be applied just before the first flowers open. All later times of application reduced flower set. Optimum time of application gave approximately the same weight of crop as the controls but the plants in both trials were irrigated and not stressed.

BADGINGARRA

Treatments	TREATMENT MEANS		
	Pods per 100 flowers	Numbers of seeds	Weight of seeds in grams
1 245TP 5 ppm early	28.6	784	134
2 " " late	26.0	755	128
3 245TP 10 ppm early	21.8	510	87
4 " " late	25.2	438	112
5 245PT 15 " early	29.4	614	106
6 " " late	4.0	-	-
7 245TP 20 ppm early	25.4	856	147
8 " " late	0.9	-	-
9 NAA 10 ppm early	19.8	638	111
10 " " late	24.0	715	124
11 2,4-D 5½ ppm early	-	-	-
12 " " 1⅜ " late	22.3	445	80
13 2,4-D 11 ppm early	-	-	-
14 " " 2¼ " late	2.7	198	39
15 Control	24.9	536	92
16 Control	26.2	870	152
<u>MOUNT BARKER</u>			
1 245TP 5 ppm early	32.3	1,433	238
2 " " late	32.0	1,225	207
3 245TP 10 ppm early	29.2	1,179	194
4 " " late	32.1	1,421	235
5 245TP 15 ppm early	29.8	1,577	256
6 " " late	32.6	1,238	209
7 245TP 20 ppm early	31.4	1,553	249
8 " " late	29.5	1,693	292
9 NAA 10 ppm early	30.0	963	167
10 " " late	29.3	1,310	214
11 2,4-D 11 ppm early	-	-	-
12 " " 1⅜ ppm late	34.0	1,317	222
13 " " 22 ppm early	-	-	-
14 " " 2¼ ppm late	34.2	1,627	269
15 Control	29.3	1,445	228
16 Control	32.2	1,289	220

COMMENT

Later sprays were more effective at Mount Barker probably because of the higher proportion of the crop set on laterals and sub laterals as opposed to the main spike.

Plants sprayed with 245 TP and 2,4-D remained green longer than did unsprayed plants.

The generally cool wet spring favoured a high percentage set of flowers.

All plants were grown in single rows with little or no interplant competition for water, nutrients or light.

February 21, 1972.
CM.