

SUMMARY OF SWEDE MIDGE TRIALS

2004

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CONTROL OF SWEDE MIDGE IN GREENHOUSE GROWN BROCCOLI TRANSPLANTS, SEEDED JUNE 10 2004

CONCLUSIONS: At the first rating, 3 days after removal from the field, while trays treated in the greenhouse with TRISTAR, had the highest numbers of symptom-free broccoli seedlings, numbers for no treatment were significantly different from CONTROL trays. Also at the first rating, only trays treated with TRISTAR contained less severely affected plants than control trays. When trays were again rated 4 days later, the number of symptom-free plants had declined in all treatments. The high rate of TRISTAR provided significantly better control than DIAMOND. At least 33% of plants remained free of symptoms in trays treated with GAUCHO, PONCHO and TRACER as seed treatments or INTERCEPT and BELAY as drench treatments and TRISTAR and CLUTCH as foliar treatments.

CONTROL OF SWEDE MIDGE IN GREENHOUSE GROWN BROCCOLI TRANSPLANTS, SEEDED JULY 12 2004

CONCLUSIONS: At the first rating, 3 days after removal from the field, while trays treated in the greenhouse with INTERCEPT, DIAMOND, CLUTCH, BELAY, GAUCHO and PONCHO, had the highest numbers of symptom-free broccoli seedlings, numbers for no treatment were significantly different from CONTROL trays. When trays were again rated 4 days later, the number of symptom-free plants had declined in all treatments except for TRISTAR. At least 46% of plants remained free of symptoms in trays treated with GAUCHO and PONCHO as seed treatments or INTERCEPT as a drench and DIAMOND as a foliar treatment.

CONTROL OF SWEDE MIDGE IN GREENHOUSE GROWN CABBAGE TRANSPLANTS, SEEDED MAY 22 2004

CONCLUSIONS: GAUCHO, TRISTAR and INTERCEPT had significantly more symptom-free cabbage seedlings, than ENDEAVOUR, numbers for no treatment were significantly different from CONTROL trays. At least 44% of plants remained free of symptoms in trays treated with GAUCHO, PONCHO and TRACER as seed treatments or BELAY as a drench treatment and TRISTAR, INTERCEPT and DIAMOND as foliar treatments.

CONTROL OF SWEDE MIDGE IN GREENHOUSE GROWN CABBAGE TRANSPLANTS, SEEDED JULY 13 2004

CONCLUSIONS: TRISTAR and CLUTCH foliar applications were the most effective foliar treatments, having the most symptom-free cabbage seedlings on August 25.

SWEDE MIDGE SUMMARY

Treatments	Rate Product	Application Growth Stage	Overall order Ratings										Total
			Cab - May 22		Cab - July 13		Broc - June 10		Broc - July 12		Total		
			3	7	3	7	3	7	3	7			
TRISTAR 70WP	86 g/ha	Foliar	3,9		12,12	4,10	1,1	12,1	9,11	9,12	56,50	10	
TRISTAR 70WP	48 g/ha	Foliar	2,3		1,3	1,1	2,2	8,4	12,12	10,11	36,25	1	
INTERCEPT 60WP	80 g/ha	Foliar	4,2		8,9	3,3	12,6	10,3	8,8	5,7	38,50	5	
INTERCEPT 60WP	80 g/ha	Drench	10,10		9,8	12,12	7,7	2,11	2,5	4,4	57,46	9	
DIAMOND 10EC	500 ml/ha	Foliar	8,7		3,2	9,11	3,8	1,12	1,2	1,2	43,26	3	
ENDEAVOUR 50WG	193 g/ha	Foliar	11,12		7,7	6,7	10,12	7,7	5,10	11,10	65,57	12	
CLUTCH 50WG	210 g/ha	Foliar	12,11		5,6	2,2	6,4	3,8	6,7	7,6	44,41	6	
BELAY 16 WG	1275 g/ha	Drench	5,4		2,1	5,4	9,11	6,10	3,3	6,8	41,36	4	
SUCCESS 480SC	75 ml/kg	Seed Trt	7,6		10,11	11,9	11,10	5,6	7,4	12,9	55,63	11	
GAUCHO 600	13.33 ml/kg	Seed Trt	1,1		4,4	10,8	5,5	4,9	4,1	3,3	31,31	2	
PONCHO 600	8 ml/kg	Seed Trt.	6,5		11,10	8,6	8,9	9,5	10,6	2,1	42,54	8	
CONTROL			9,8		6,5	7,5	4,3	11,2	11,9	8,5	37,56	7	

The numbers in the chart represent the rating order with the most effective having the lowest number per assessment time and location

SUMMARY

Relative effectiveness of insecticides applied in the greenhouse on seedling broccoli and cabbage for the control of swede midge.

<u>Treatment</u>	<u>Product Rate</u>	<u>Application</u>	
TRISTAR 70WP	48 g/ha	Foliar	Most Effective
GAUCHO 600	13.33 ml/kg of seed	Seed Treatment	
DIAMOND 10EC	500 ml/ha	Foliar	
BELAY 16 WG	1275 g/ha	Drench	
INTERCEPT 60WP	80 g/ha	Foliar	
CLUTCH 50WG	210 g/ha	Foliar	
CONTROL			
PONCHO 600	8 ml/kg of seed	Seed Treatment	Least Effective
INTERCEPT 60WP	80 g/ha	Drench	
TRISTAR 70WP	86 g/ha	Foliar	
SUCCESS 480SC	85 ml/ka of seed	Seed Treatment	
ENDEAVOUR 50WG	193 g/ha	Foliar	