

WEED CONTROL IN 1-0 CONIFER SEEDBEDS WITH SETHOXYDIM (Poast) SPOT TREATMENTS, 1986.

Sethoxydim (Poast) was tested for grass weed control and phytotoxicity in conifer seedling beds. Conifer seedlings were observed for phytotoxic symptoms, including: needle chlorosis and burn, stem swellings or lesions, stunted or distorted growth of needles or buds, and mortality. Three conifer species, *Abies procera* (noble fir), *Pinus sylvestris* (Scotch pine), and *Psuedotsuga menziesii* (Douglas-fir) were used.

Colonial bentgrass and annual ryegrass was controlled with sethoxydim (Table 1). Weed control with all spot treatment rates with or without crop oil was excellent. Although subplots containing the field rate were slightly less effective, grass control was still good. Certain broadleaf weeds and sethoxydim resistant annual bluegrass began to thrive with the reduced grass competition. No phytotoxicity to the three tree species was observed in any of the treatments. Since no differences were apparent for the noble fir, Scotch pine and Douglas-fir, these data were not reported.

Table 1. Weed Control in 1-0 Conifer Seedlings with Spot Treatments of Sethoxydim, Observed on September 3, 1986.

Treatment	Average Weed Control Rating ²	
	annual ryegrass	colonial bentgrass
Untreated check	0.0	0.0
sethoxydim 1.5E (0.25 + 1% oil)	9.5	8.0
sethoxydim 1.5E (1.0% spot + 1% oil)	10.0	9.8
sethoxydim 1.5E (2.0% spot + 1% oil)	10.0	10.0
sethoxydim 1.5E (2.0% spot)	10.0	10.0
sethoxydim 1.5E (3.0% spot)	10.0	10.0

Planted June, 1986. Treatments were applied on August 13, 1986. Average weed control rated 48 days after treatment on a scale of 0 (no control) to 10 (complete control).

Pesticide Use - Due to constantly changing laws and regulations, no liability for the suggested use of chemicals in this Newsletter is assumed by the ONW Newsletter. Pesticides should be applied according to label directions on the pesticide container.

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