

Alternative Spring Herbicide Mixes For Christmas Trees

J.F. Ahrens¹ 9/20/03

Rates of herbicide are indicated as active ingredient (ai) or product per acre

<u>Situation</u>	<u>Primary Weed Problems</u>	<u>Treatment/Timing</u>
1. Newly planted conifers in sod, no prior fall treatment	Perennial grasses and weeds	Atrazine 2 lb ai + Simazine 2 lb ai /A, after planting, <u>before bud break</u>
2. Established true firs and spruces, no prior fall roundup	Perennial grasses and weeds	Simazine 3-4 lbs ai/A or Sureguard 8-11 oz/A + Roundup Original ("O") 1 qt product/A, <u>before bud break</u>
3. Newly planted or 1-2 ft established white pine or douglas fir, no prior fall roundup	Perennial grasses and weeds	Simazine 3-4 lb ai/A + Fusilade DX 1 qt/A or Envoy 1qt/A or Vantage 1 qt/A when grasses are 6-8 inches tall. Trees may be temporarily discolored.
4. Newly planted or established conifers where Roundup has been applied in fall	a. Annual and perennial weeds from seed	a. 1 st year – Simazine 3-4 lbs ai/A b. Following years – see weed situations below
	b. Yellow nutsedge discovered the previous year, plus annual weeds and grasses	Simazine 2-3 lbs ai/A + Pennant Magnum 40-50 oz/A before conifer bud break
	c. Annual grasses and broadleaves	a. Simazine 2-3 lb ai/A + Pendulum 2-3 qts/A or Surflan 2-3 qts/A b. Sureguard 8-11 oz/A Sureguard <u>must be</u> applied before bud break to avoid injury

<u>Situation</u>	<u>Primary Weed Problems</u>	<u>Treatment/Timing</u>
4. Newly planted or established conifers where Roundup has been applied in fall (continued)	<p>d. Triazine resistant horseweed and northern willowherb emerged in spring</p> <p>e. Vetch</p> <p>f. Ragweed or milkweed emerging in June (partial control of milkweed)</p> <p>g. Vining bindweed and vetch, before conifer leaders are deformed; many other broadleaved weeds also</p>	<p>a. Simazine 3 lb ai/A + Goal 1 pt/A + Roundup "O" 8 oz/A</p> <p>b. Simazine 2 lb ai/A + Atrazine 1 lb ai/A + Goal 1 pt/A + Roundup "O" 8 oz/A</p> <p>Spot treat with Stinger 1/3 to 1/2 teaspoon per gal or add Stinger at 6-8 oz/A to any of the above mixes</p> <p>Goal 1 pt/A + Stinger 4 oz/A + Roundup "O" 4-8 oz/A 3 weeks or more after conifer bud break</p> <p>Spot treatment with Goal 2/3 tablespoon per gal + Stinger 1/2 teaspoon per gal. Spray lightly to wet weeds growing into the conifers.</p>

Notes: 1. Adding Simazine at 1 1/2 to 2 lbs ai/A or Sureguard 8 oz/A to fall Roundup can prevent many fall emerging annuals. 2. Oryzalin 4AS is another product equivalent of Surflan. 3. Roundup Original is being replaced with Honcho by some suppliers. Roundup "O" and Honcho are the same according to Monsanto, the manufacturer. However, do not add surfactant to either product, as at least one manufacturer has recommended. 4. Fully directed sprays of Roundup (any formulation) at 1 1/3 oz/gal or 1 qt/A can be used anytime for escaped weeds. Concentrated sprays at 1 qt/A can be applied with sprayers by Mankar.

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