

**Table 4.** Woody release treatments in pine stands greater than two years of age.

PINE SPECIES	INDIVIDUAL CHEMICAL <sup>1,2</sup>	APPLICATION RATES (minimum rate - coarse, sandy soils)	APPLICATION RATES (maximum rate - fine, silty clay soils)	APPLICATION TIMING	APPLICATION GUIDELINES	STAND AGE
Loblolly	imazapyr	12 oz. (per acre)	20 oz. (per acre)	Mid-August -	over the top; 10 gallons spray volume (aerial); 20 gal. (ground) add 0.25% of NIS or MSO	2-7 years
<i>all other pine species</i>		12 oz.	16 oz.	mid-October		
Loblolly & Longleaf	Hexazinone (Velpar® L)	2 quarts (per acre)	6 quarts	Spring (after hardwood bud break but before leaf hardening off)	refer to label - various delivery methods	4 years (coarse texture soil) 3 years (medium texture soil)
	Velpar® DF	1.33 lbs.	2 lbs			
	Velossa®	1.66 quarts	5 quarts			
Loblolly Slash	Metsulfuron-methyl	1 oz.	2 oz	early growing season after plant emergence	same as imazapyr	same as above

<sup>1</sup> Rates depicted are for imazapyr products (Polaris® AC, Arsenal® AC, Imazapyr 4SL) containing 53% active ingredient. Double the individual rates when using imazapyr products (Rotary® 2SL, etc) containing only 27.8% active ingredient.

<sup>2</sup> Metsulfuron-methyl can be added to either imazapyr or hexazinone when applied over for loblolly pine. Avoid use of metsulfuron-methyl over longleaf pine. Do not mix metsulfuron-methyl with other soil active herbicide if spraying over slash pine.

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