

**MOUNTAIN PINE BEETLE
RESTRICTED USE PESTICIDES REGISTERED IN SOUTH DAKOTA**

COMPANY	Florida Silvics, Inc dba Tree Tech	Arborjet, Inc	Direct Ag Source, LLC	FMC	Tacoma Ag, LLC	Helena Chemical Company	Loveland Products, Inc	Tenkoz, Inc	United Phosphorus, Inc
EPA REG. NO.	64014-9	100-1309-74578	83222-1	279-4269	83520-4	70506-9-5905	34704-873	70506-9-55467	70506-9
TRADE NAME	HARPOON	Tree-äge	BIFEN 2 AG GOLD	OnyxPro Insecticide	BIFEN 25% EC	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	PERMETHRIN 3.2EC INSECTICIDE	Perm-UP 3.2 EC Insecticide
CHEMICAL FAMILY	Organophosphate insecticide	Glycoside Insecticide	Pyrethroid Insecticide	Pyrethroid Insecticide	Pyrethroid Insecticide	Pyrethroid Insecticide	Pyrethroid Insecticide	Pyrethroid Insecticide	Pyrethroid Insecticide
ACTIVE INGREDIENT	Oxydemeton methyl	Emamectin Benzoate	Bifenthrin	Bifenthrin	Bifenthrin	Permethrin	Permethrin	Permethrin	Permethrin
HAZARD IDENTIFICATION	DANGER-POISON	WARNING	WARNING	WARNING	WARNING	CAUTION	CAUTION	CAUTION	CAUTION
HUMAN HEALTH HAZARDS	see Material Safety Data Sheet	see Material Safety Data Sheet	see Material Safety Data Sheet	see Material Safety Data Sheet	see Material Safety Data Sheet	see Material Safety Data Sheet	see Material Safety Data Sheet	see Material Safety Data Sheet	see Material Safety Data Sheet
SOME ENVIRONMENTAL HAZARDS	Highly toxic to fish	Highly toxic to fish, mammals, & aquatic invertebrates; Highly toxic to bees	Extremely toxic to fish & aquatic invertebrates; Highly toxic to bees	Extremely toxic to fish & aquatic invertebrates; Highly toxic to bees	Extremely toxic to fish & aquatic invertebrates; Highly toxic to bees	Extremely toxic to fish & aquatic invertebrates; Highly toxic to bees	Extremely toxic to aquatic organisms including fish & invertebrates; Highly toxic to bees	Extremely toxic to aquatic organisms including fish & invertebrates; Highly toxic to bees	Extremely toxic to aquatic organisms including fish & invertebrates; Highly toxic to bees
RESTRICTIONS	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY	RESTRICTED USE PESTICIDE - FOR USE BY CERTIFIED AND LICENSED APPLICATORS ONLY
SOME OF THE ADDITIONAL RESTRICTIONS	Do not use on trees that will produce food within one year following treatment (such as nuts, berries, maple syrup, etc.)	Do not apply to trees that may yield food consumed by humans or used in animal feed.	Buffer zone requirements for aquatic habitats; Firewood is not to be treated	Do not apply by air. Do not use in greenhouses. Buffer zone requirements for aquatic habitats; Firewood is not to be treated	Do not apply by air. Do not use in greenhouses. Buffer zone requirements for aquatic habitats; Firewood is not to be treated		Buffer zone requirements for aquatic habitats	Buffer zone requirements for aquatic habitats	Buffer zone requirements for aquatic habitats
MOUNTAIN PINE BEETLE CROP/AREA OF TREATMENT	Trunk injection to forest, ornamental, non-crop bearing and Christmas trees	Trunk injection to coniferous trees including, residential & commercial landscapes, parks, plantations, seed orchards, and forested sites (in private, municipal, state, tribal, and national areas)	For use on plants intended for aesthetic purposes or climatic modifications & being grown in interior plantscapes & on outdoor ornamentals, Christmas trees, nurseries, lawns, sod farms, & golf courses. Trunk Sprays to ornamental trees (including Christmas trees)	For use on plants intended for aesthetic purposes or climatic modifications & being grown in interior plantscapes & on outdoor ornamentals, Christmas trees, nurseries, lawns, sod farms, & golf courses. Trunk Sprays to ornamental trees (including Christmas trees)	For use on plants intended for aesthetic purposes or climatic modifications & being grown in interior plantscapes & on outdoor ornamentals, Christmas trees, nurseries, lawns, sod farms, & golf courses. Trunk Sprays to ornamental trees (including Christmas trees)	Lawn & Ornamental Uses-(Including field & container grown nursery stock, greenhouses, interiorscapes & plantscapes, lawns, trees, & shrubs). Landscaped areas around residential, institutional, public, commercial & industrial buildings, parks, recreational areas, & athletic fields. Ornamental trees; Trunk sprays to ornamental trees	Lawn & Ornamental Uses-(Including field & container grown nursery stock, greenhouses, interiorscapes & plantscapes, lawns, trees, & shrubs). Landscaped areas around residential, institutional, public, commercial & industrial buildings, parks, recreational areas, & athletic fields. Ornamental trees; Trunk spray to ornamental trees	Lawn & Ornamental Uses-(Including field & container grown nursery stock, greenhouses, interiorscapes & plantscapes, lawns, trees, & shrubs). Landscaped areas around residential, institutional, public, commercial & industrial buildings, parks, recreational areas, & athletic fields. Ornamental trees; Trunk spray to ornamental trees	
TREATMENT TYPE	Injection	Injection	Spray	Spray	Spray	Spray	Spray	Spray	Spray
APPLICATION METHOD	Trunk injection preventive treatment	Trunk injection preventive treatment	Trunk spray preventative treatment	Trunk spray preventative treatment	Trunk spray preventative treatment	Trunk spray preventive treatment	Trunk spray preventive treatment	Trunk spray preventive treatment	Trunk spray preventive treatment