

# Safari® INSECTICIDE

## MOUNTAIN PINE BEETLE CONTROL WITH SAFARI® TRUNK SPRAY



The mountain pine beetle (MPB) is an invasive pest that has killed millions of lodgepole trees in the Western U.S.

- MPB adults emerge during July and August and then attack pine trees en masse.
- MPB adults bore through the bark, create vertical galleries and lay eggs. Eggs hatch into larvae that create horizontal galleries which damage the tree's vascular system.
- Additionally, adults introduce a blue stain fungus which infects the xylem tissue, blocking water flow.
- Pitch tubes with MPB adult frass is a key sign of attack.

A basal trunk spray with Safari® 20 SG Insecticide offers an alternative to whole tree sprays for control of MPB on lodgepole pine. When sprayed on the base of the trunk, Safari is absorbed through the bark and then transported upward in the tree's vascular system. A properly timed application of Safari can reduce infestation of healthy trees when applied before adults attack and reduce survival of MPB larvae when applied after adults attack. The level of control will depend on several factors including infestation pressure, tree health and the amount of blue stain fungus beetles are carrying.

### SAFARI BASAL TRUNK SPRAY APPLICATION

- Mix 12-24oz Safari 20 SG + 0.25% v/v NIS per gallon of water
- Apply with a low pressure sprayer to the lower 4-5 feet of trunk, just to the point of runoff
  - Apply first spray two weeks prior to peak beetle flight
  - Apply second spray two weeks after peak beetle flight
- One gallon of Safari 20 SG solution will treat approximately 65" of trunk diameter



The Safari 20 SG basal trunk spray is an especially effective, easy and quick application method.

To view a demonstration video of the Safari basal trunk spray, visit [youtube.com/watch?v=P2GxLpTQ25k](https://www.youtube.com/watch?v=P2GxLpTQ25k).

Lodgepole pine: untreated with MPB damage vs. healthy Safari treated tree



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