

PTM™ Insecticide

For Tip Moth control in Southern Forests

Agricultural Products

 **BASF**

The Chemical Company



Photograph by Don Grosman

PTM Insecticide

■ For the control of:

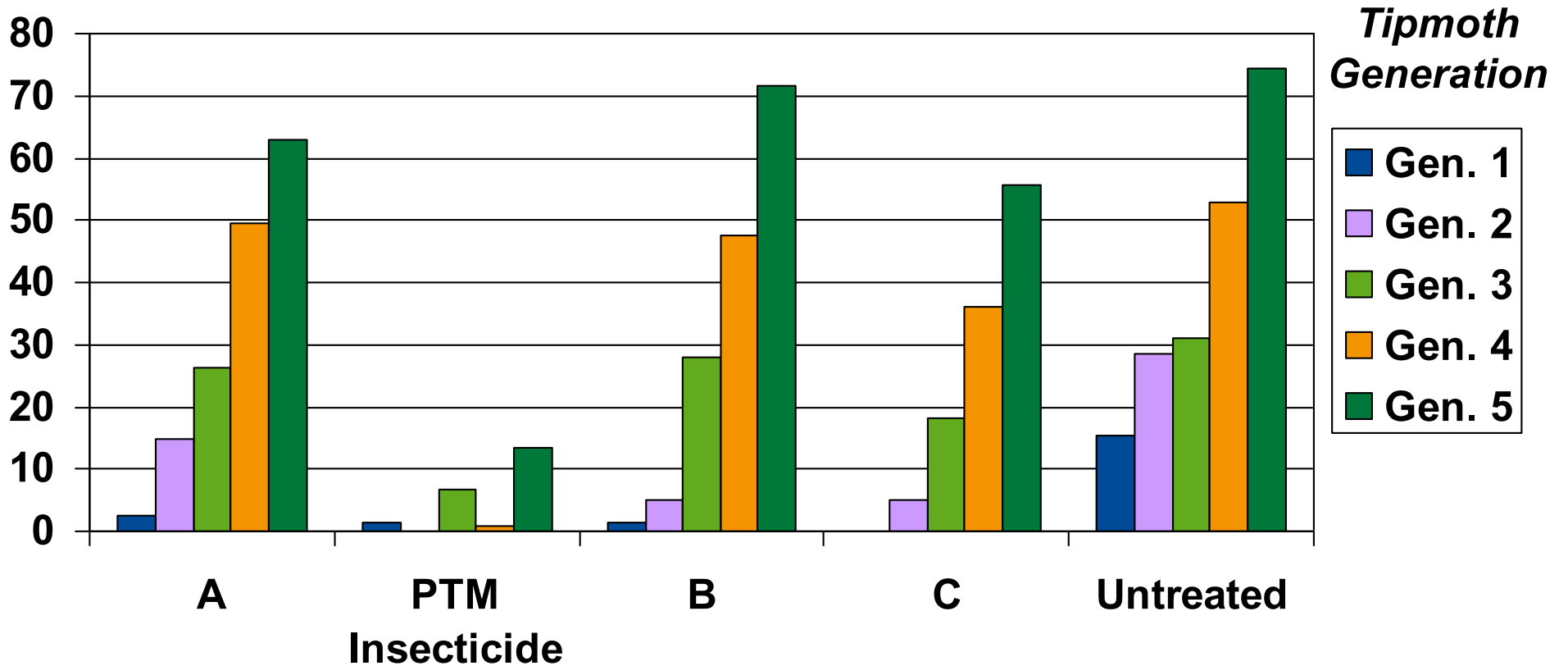
- Nantucket pine tipmoth (*Rhyacionia frustrana*)
- Pine bark aphids (*Cinara* spp.)

■ Use rate:

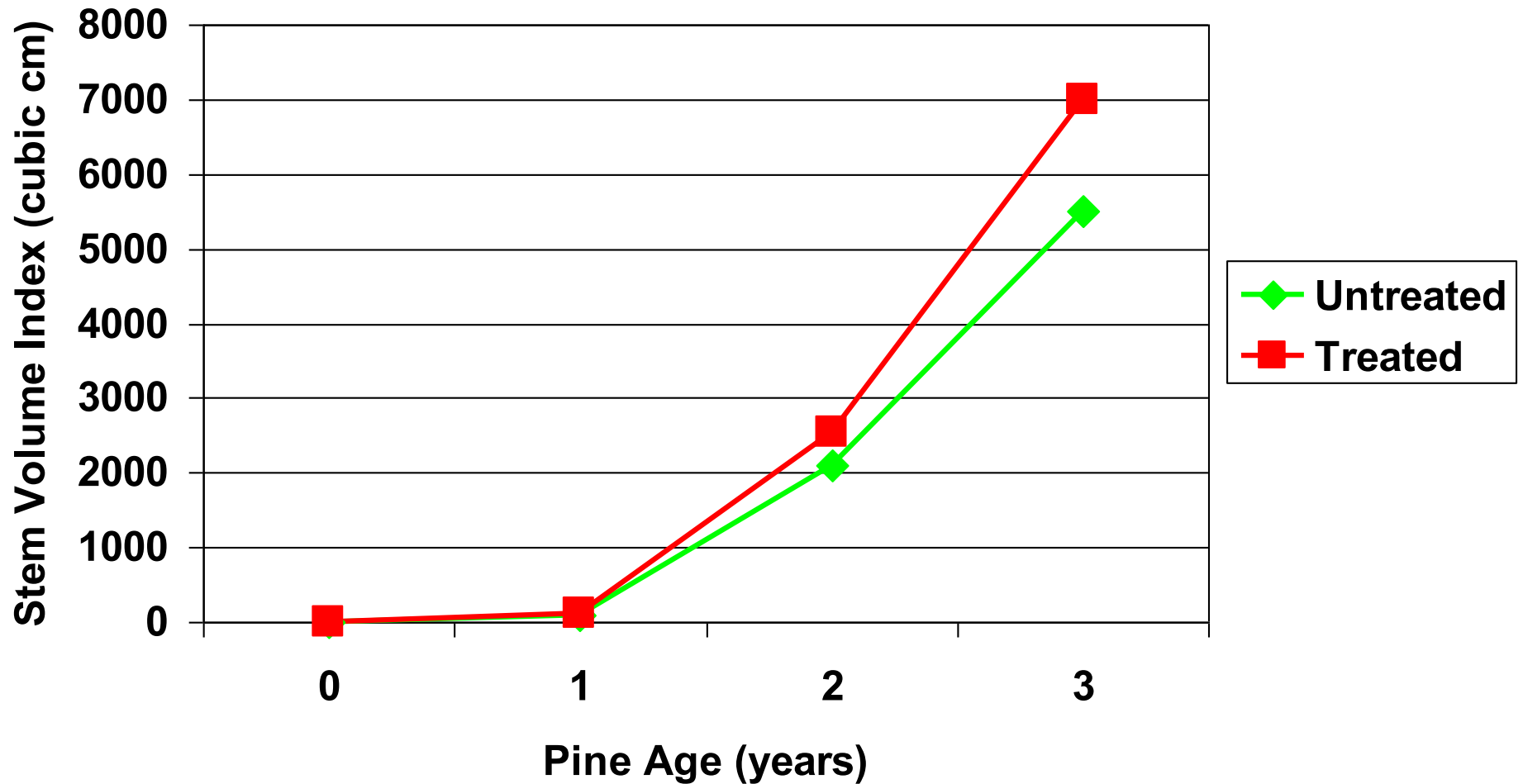
- 21 fl oz per acre per year

Insecticide Screen

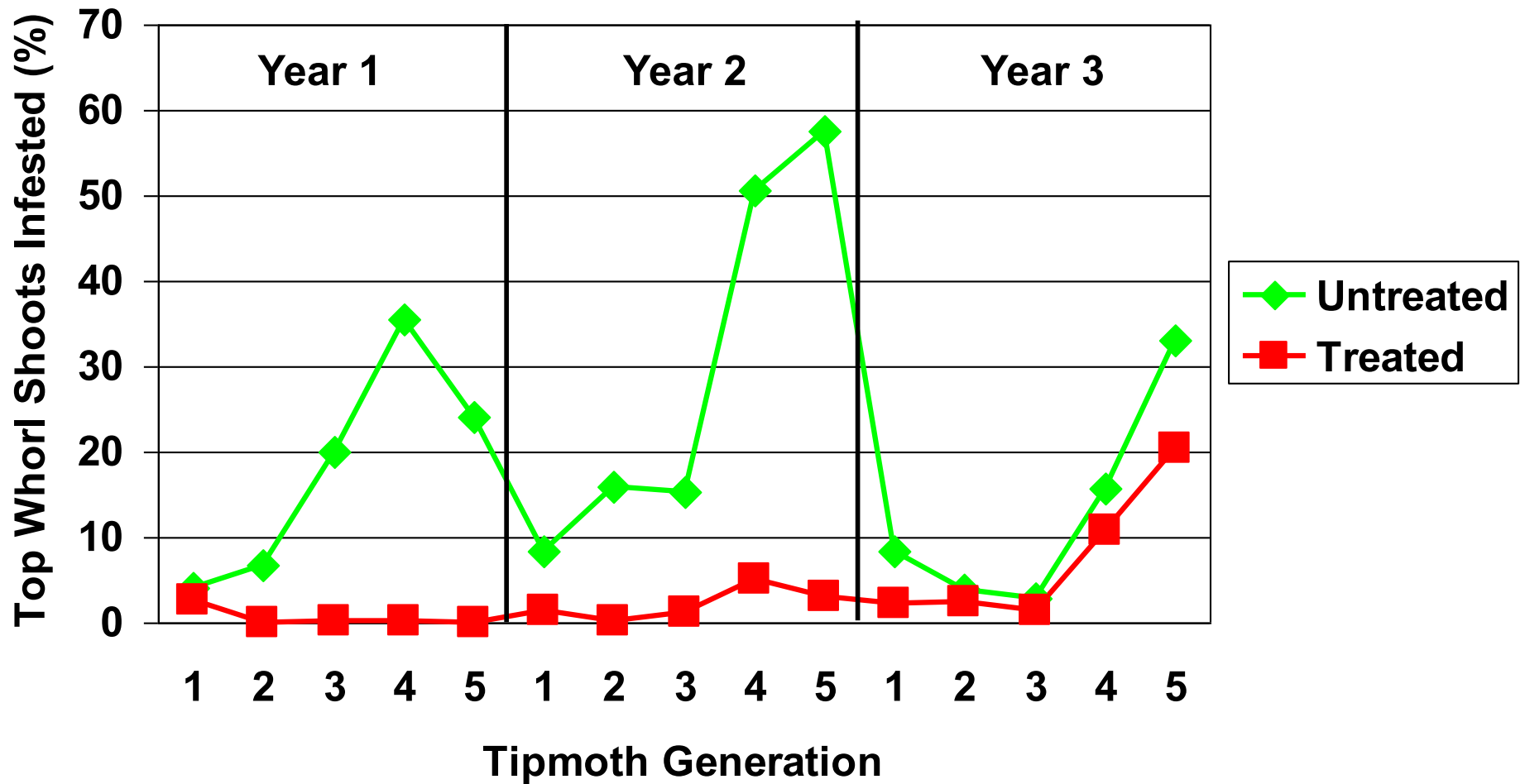
Shoots Infected by Tip Moth (%)



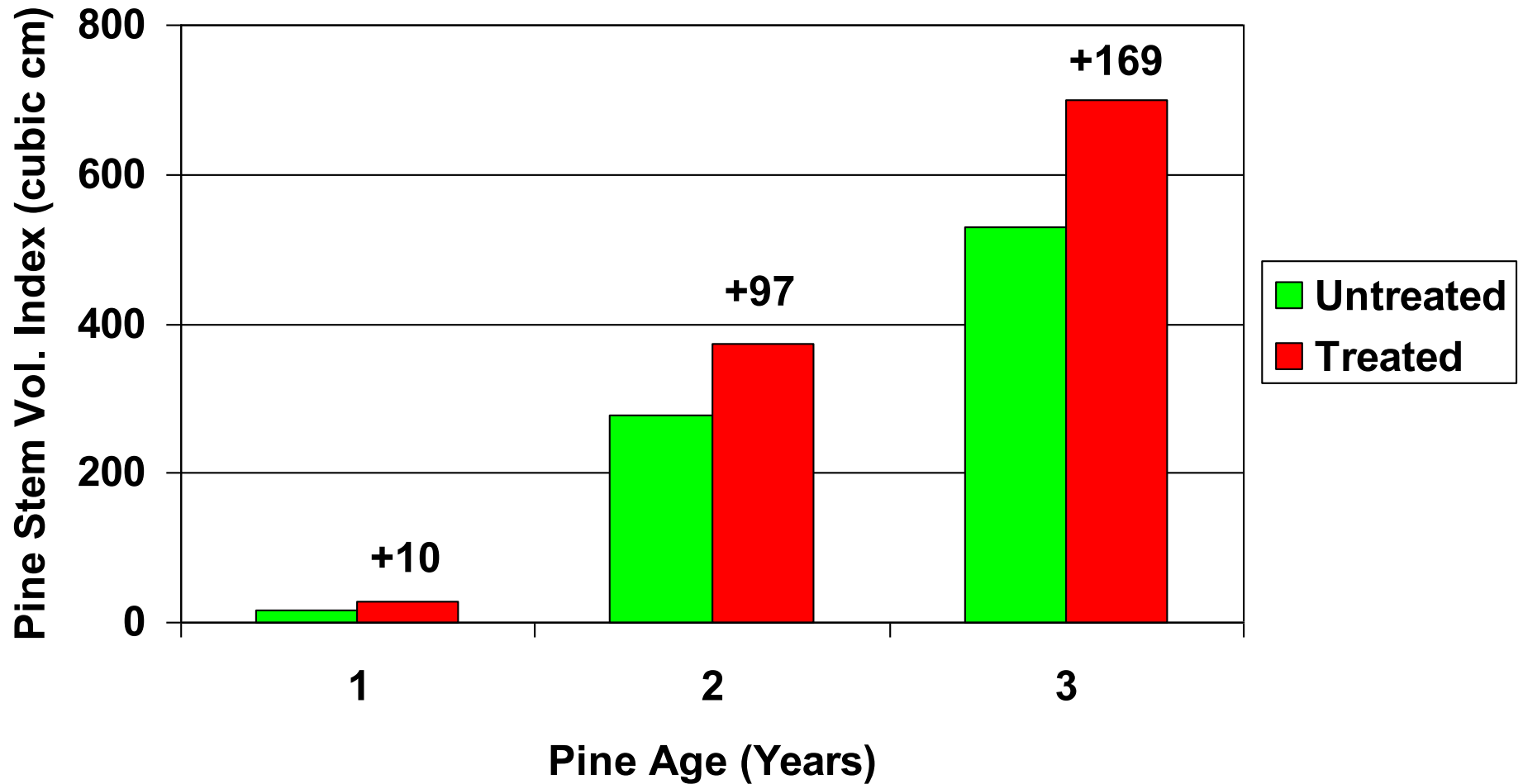
Loblolly Pine Response to Tipmoth Control: Impact Study



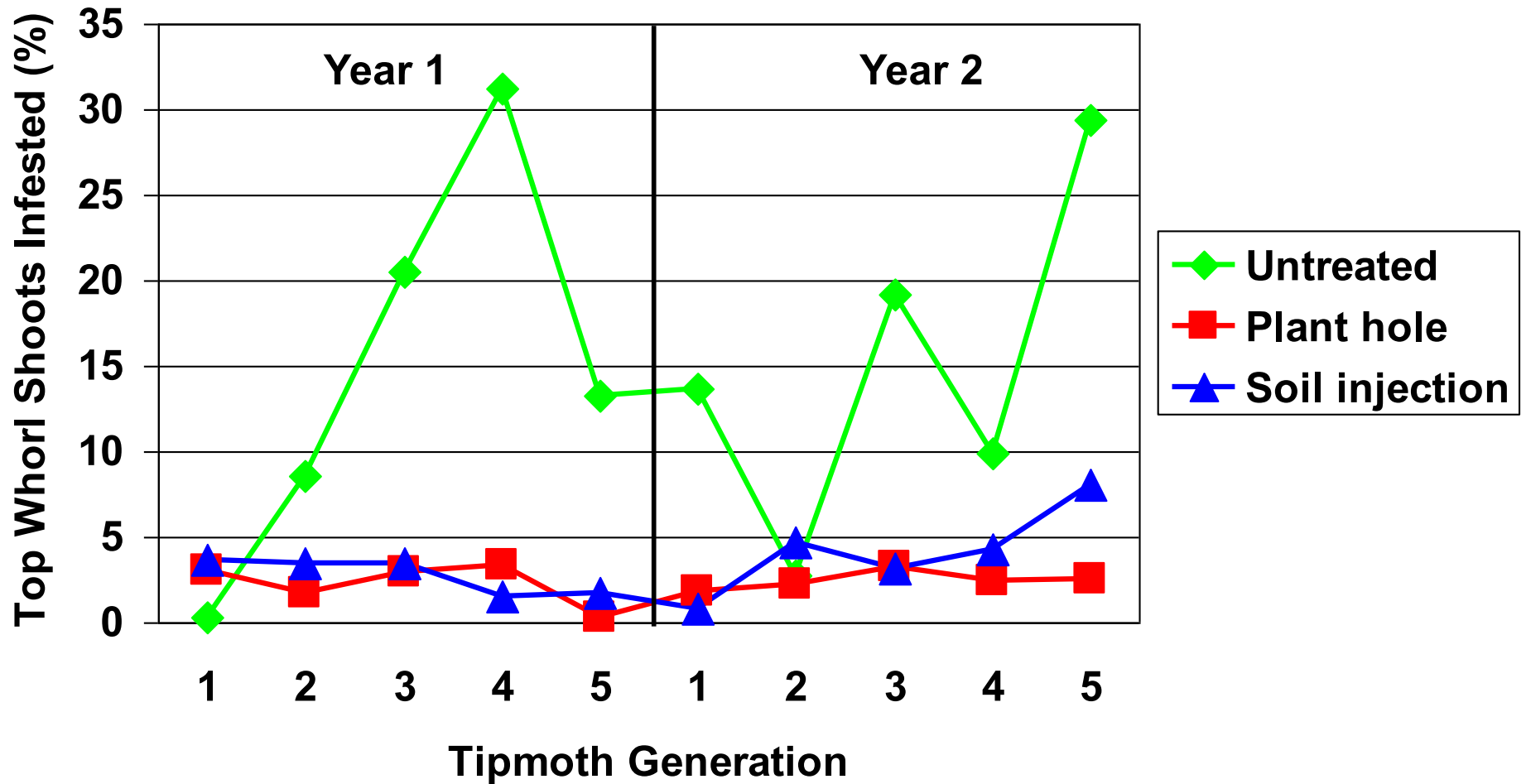
PTM Insecticide: Plant Hole Application



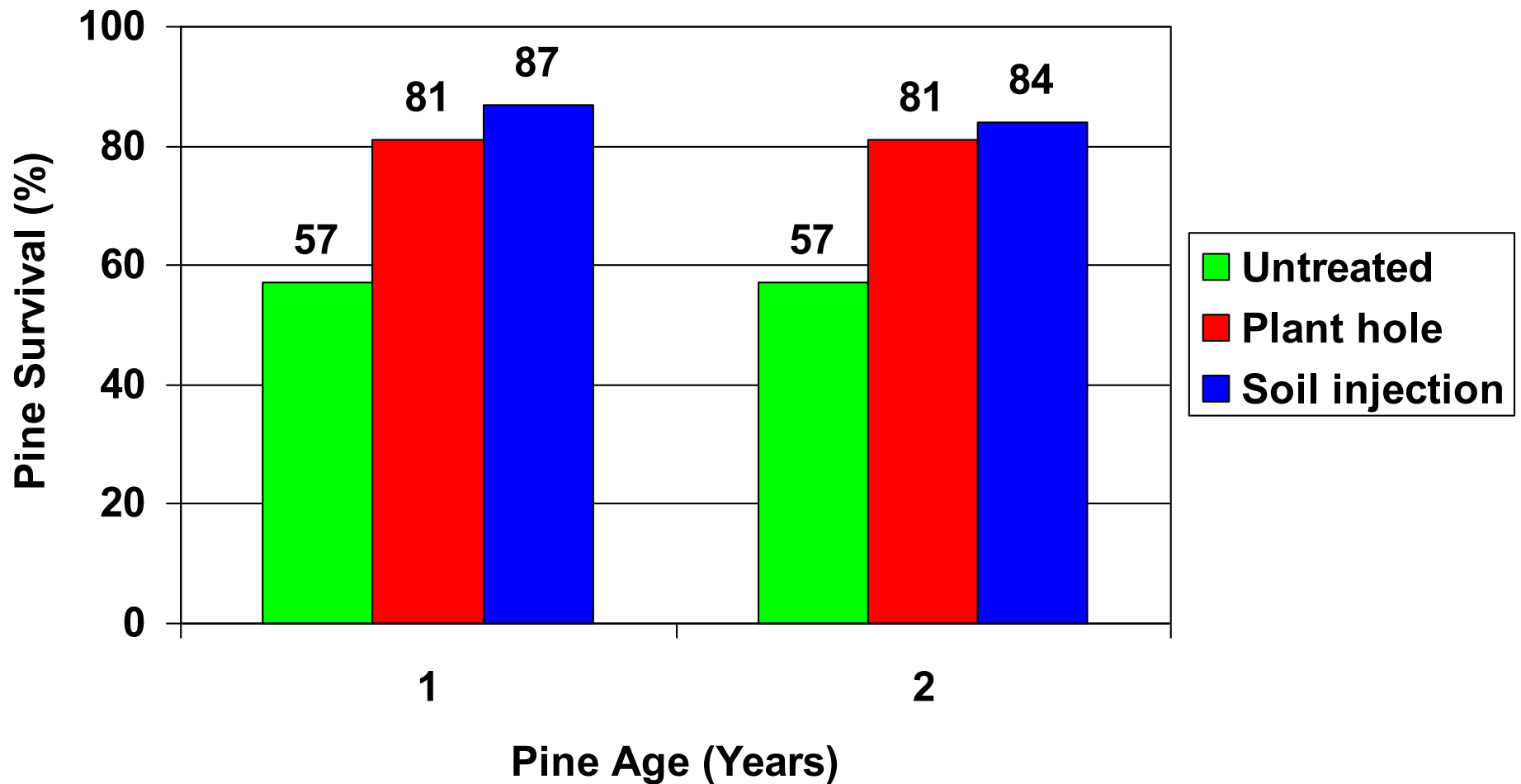
PTM Insecticide: Plant Hole Application



PTM Insecticide: Plant Hole vs. Soil Injection



PTM Insecticide: Plant Hole vs. Soil Injection



PTM Insecticide

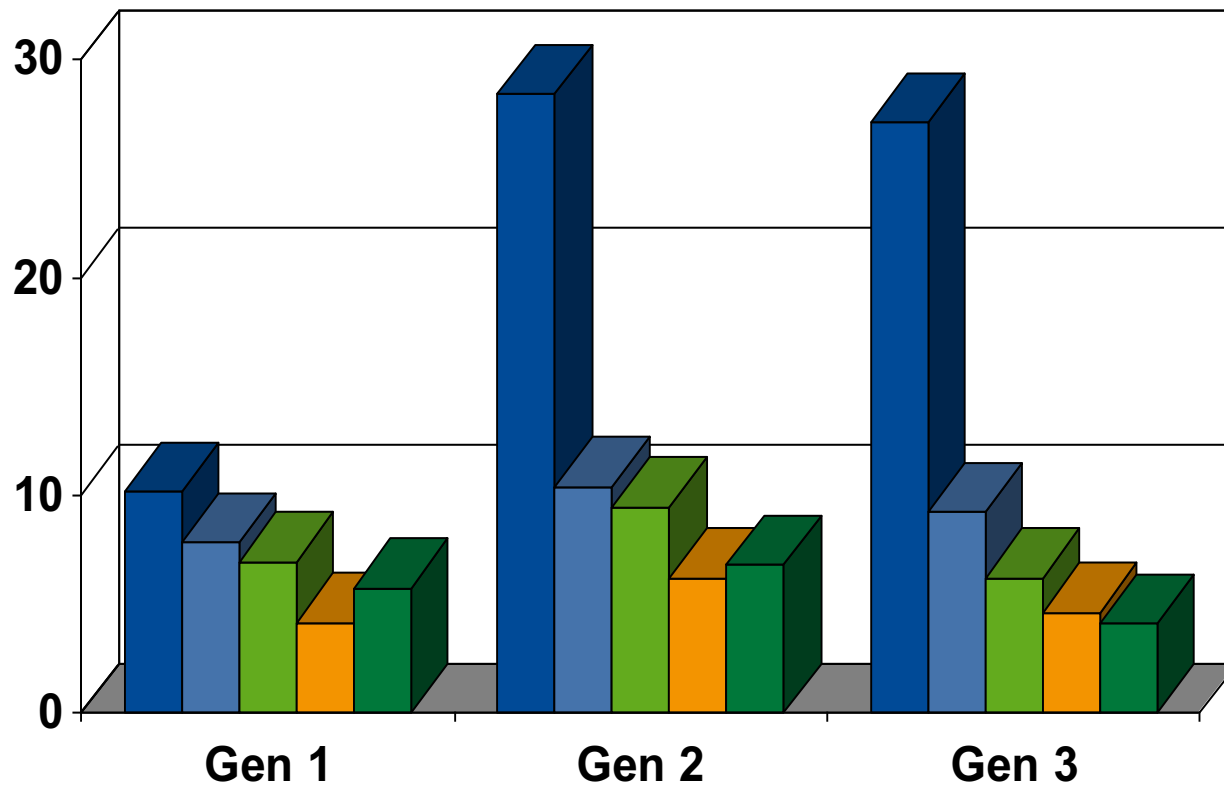
- A water based suspension concentrate
- Use rate:
 - 21 fl oz per acre per year
- Apply at least 3 inches below ground into the rooting zone of each tree
- Apply at time of planting or soon after planting
 - Trees are protected several weeks after application
- Dilute with water
- Total volume of water + PTM Insecticide per tree:
 - 0.5 fl oz

PTM Insecticide

- Example for 500 trees per acre
 - Volume of PTM + water per tree = 0.5 fl oz
 - Volume of PTM + water per acre = $500 \times 0.5 = 250$ fl oz
 - Volume of PTM per acre = 21 fl oz
 - Volume of water per acre = $250 - 21 = 229$ fl oz

PTM Insecticide Application Volume Test

Infested top whorl shoots (%)



Water + PTM
Application Volume

- Untreated
- 0.1 fl oz
- 0.2 fl oz
- 0.4 fl oz
- 0.8 fl oz

Five Site Average
Application: Mar 2006

Kioritz Injector



Kioritz Injector





**Tank with
PTM Insecticide**

Prototype: Tree planter adapted to apply PTM Insecticide at time of planting

PTM applied into planting slit



Machine planted pine seedling



PTM Insecticide

■ PTM Insecticide is currently registered in the following states:

- AL
- AR
- FL
- GA
- LA
- MS
- NC
- OK
- SC
- TN
- TX
- VA
- WV

Always read and follow label directions.

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