

Comparison of SilvaShield™ and PTM™ products for Pine Tip Moth Control

Characteristic	SilvaShield™ Forestry Tablet	PTM™ Insecticide
Active Ingredient(s)	Imidacloprid (20%) + Fertilizer (12N:9P:4K)	Fipronil (9.1%)
Manufacturer	Bayer Environmental Science	BASF Corporation
Distributors	Helena Red River Specialties (RRS) UAP	C3M Helena ProSource Red River Specialties (RRS) UAP
Cost per container	RRS quote: ~\$240 per bag (contains 1200 tablets); cost depends on quantity purchased.	RRS quote: ~\$300 per gallon; cost depends on quantity purchased.
Restrictions on Amount per Acre	450 tablets per acre per year	21 fluid oz per acre per year
Chemical Cost per Acre	\$90.00	\$49.22
Treatments at Planting into Plant Holes or Furrows	No equipment required; tablets easily applied by gloved hand into plant holes created by dibble bars.	Not easily applied with hand applicator system, but can be applied effectively with a machine planter system: System for C&G planter Available on a per order basis; contact Mr. Lane Day (phone:936-240-8294) for a price quote System for Whitfield planter Not currently available; under development by Mr. Lane Day.
Duration of At Planting Treatment Efficacy	18 - 24 months	24 - 36 months
Post-plant Treatments into Soil Adjacent to	No equipment available; tablets can be pushed into soil next to seedling with gloved hand; hand applicator system is being developed.	Easily applied with hand applicator systems: Kioritz Soil Injector (0.8 gallon capacity) \$354.99 thru Amazon.com \$365.00 thru treestuff.com \$374.95 thru treecaresupplies.com \$462.93 + shipping thru Rittenhouse.com PTM Spot Gun (1.2 gallon capacity) \$88.00 thru feltonmedical.com
Recommended Quantity per Seedling	1 tablet	1.3 ml PTM + 13.7 ml water = 15 ml dilution per tree
Duration of Post-Plant Treatment Efficacy	Currently less than plant hole applications; research underway to improve efficacy.	Currently less than plant hole or machine planter applications; research underway to improve efficacy.

Information provide by:

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