

PRINCEP® NINE-T®

HERBICIDE

COMMERCIAL

Water Dispersible Granule for Selective Weed Control

GUARANTEE:	
simazine	89%
related triazines	1%

READ THE LABEL AND BOOKLET BEFORE USING

REGISTRATION NO.: 16370
PEST CONTROL PRODUCTS ACT

Novartis Crop Protection Canada Inc.

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Research Park,
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Guelph, ON
N1G 4Z3

BOOKLET

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the **PEST CONTROL PRODUCTS ACT** to use a control product under unsafe conditions.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

FIRST AID:

If swallowed, give large amounts of water to drink and induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention or contact a poison control centre immediately.

If in eyes, flush with clean water for at least 15 minutes. If irritation occurs, obtain medical attention or contact a poison control centre.

If on skin, remove contaminated clothing. Wash skin thoroughly. If irritation occurs, obtain medical attention.

If inhaled, move to an area with fresh air, clean up and rest.

Take container label, or product name and Pest Control Product Registration Number with you when seeking medical attention.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of dust, vapours or spray mist. When applying the product wear a coverall over a long-sleeved shirt and long pants and chemical-resistant boots. Additionally, wear chemical-resistant gloves when servicing the sprayer and during cleanup. Persons involved in mixing/loading operations should wear the previously mentioned clothing, chemical-resistant gloves and a face shield.

Do not eat, drink or smoke when using product. Wear freshly laundered clothes daily. Wash hands and face before eating, drinking, smoking or using the toilet. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse.

This product should not be mixed/loaded within 30 meters of any wells, lakes, streams, ponds or sink holes in order to avoid the potential of well or surface water contamination. Do not use this product within 10 meters of the above mentioned water sources. Avoid contamination of food and feed, domestic or irrigation water supplies, lakes, streams and ponds. Do not apply this product through any type of irrigation system. Use only on labelled crops. Do not graze treated immature crops or cut for fodder. In the case of corn, immature means before ear emergence. Sufficient data are not available to support such use. See other cautions for specific crops. **DO NOT APPLY BY AIR.**

STORE IN A DRY PLACE.

DECONTAMINATION AND DISPOSAL:

1. Empty bag thoroughly into spray tank.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.
4. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING CALL
1-800-267-6351***

CROP INFORMATION:

PRINCEP NINE – T provides selective weed control in:

Alfalfa	Hazelnuts
Apples	Highbush Blueberries
Apricots	Lowbush Blueberries
Asparagus	Loganberries
Birdsfoot Trefoil	Peaches
Blackberries	Pears
Cherry	Plums
Christmas Trees and Woodland Plantations	Raspberries Shelterbelts
Corn	Strawberries
Filberts	Woody Ornamentals and Nursery Stock
Grapes	

See specific crop use instructions for application rates, timing and proper use.

WEEDS CONTROLLED:

Lady's-thumb	Volunteer Clovers
Lamb's-quarters•	Barnyard Grass
Purslane	Crabgrass
Ragweed•	Wild Oats
Wild Buckwheat	Yellow Foxtail
Smartweed	Perennial species starting from seed

- Certain biotypes of the above weeds may not be controlled by PRINCEP NINE–T applications. For specific recommendations, consult your local agricultural authorities.

MIXING AND SPRAYING INSTRUCTIONS:

- Spray pressure - 200-300 kPa
 - Spray volume - minimum of 300 litres per hectare
 - Use 16 mesh suction screen; 50 mesh screens elsewhere on sprayer
1. Spray equipment should be thoroughly flushed with clean water and drained before and after use of PRINCEP NINE-T.
 2. Fill sprayer 1/2 full of water. Start gentle agitation.
 3. Add PRINCEP NINE–T slowly. Agitate thoroughly.
 4. Add wettable powder, if applicable, and continue agitation.
 5. Fill tank 9/10 full and add emulsifiable concentrate, if applicable.

6. Top off tank with water; maintain agitation and spray.
7. Do not let stand without agitation. After any break in the spraying operations, agitate thoroughly.

FRUIT CROPS:

CROP	RATE ¹ PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
Apples, pears	2.5 - 5.0 kg	Trees established one year or more Bearing and non-bearing trees. Apply prior to weed emergence, in the spring.
Apples, peaches, apricots	1.1 - 2.2 kg	Trees established less than one year Apply once per season. Avoid contact with trunk and leaves of trees. Do not use on sandy soils with organic matter less than 2%. Apply post planting, pre-emergent to weeds, preferably after rain has settled the soil around the trees. Back pack sprayer or tractor mounted boom.
Loganberries	3.75 - 6.0 kg	Plantings established one year or more Apply to base of canes in early spring. Do not spray young shoots.
Raspberries	2.0 - 2.5 kg	
Blackberries	2.5 - 3.75 kg	
Highbush blueberries	2.5 - 3.75 kg	
Lowbush blueberries	1.5 - 2.0 kg	Plantings established one year or more Apply in late fall to early spring when blueberries are dormant. One broadcast application per season. Use low rate on course textured soil. Do not harvest within 60 days of treatment.
Strawberries	2.0 kg	Coastal British Columbia only. Cultivate, then apply in mid-September for first year plantings. For bearing plants, cultivate after harvest and irrigate if soil is dry before application. For control of fall germinating weeds, apply again in mid-September. Do not apply before or during harvest.
Grapes	4.0 - 5.0 kg	EASTERN CANADA ONLY: Established 3 years or more. Apply in fall or early spring prior to weed emergence

¹ Use the low rate on sandy soils and the high rate on loams and clay.

Strawberries (For use in Atlantic Canada only)**WEEDS CONTROLLED:**

Lady's-thumb Lamb's-quarters¹ Purslane Ragweed¹
 Wild Buckwheat Smartweed
 Some perennial species starting from seed

1 Certain biotypes of the above weeds may not be controlled by PRINCEP NINE-T applications. For specific recommendations, consult your local agricultural authorities.

TIMING	RATE/HA/APPLICATION	REMARKS
Apply 4 - 6 weeks after transplanting and again during late summer/early fall	In the year of establishment 0.56 kg.	Use only on soils with a pH of 5.6 or lower and more than 2% organic matter.
Apply AFTER renovation and during the late fall	In the years following the establishment year 0.89 - 1.78 kg. ²	DO NOT make applications prior to harvest. Use only on soils with a pH of 5.6 or lower and more than 2% organic matter.

² Use the higher rate of PRINCEP NINE-T for heavier weed problems.

FRUIT TREES:			
TANK MIXES*			
CROP(S)	PEST(S)	RATE/DOSAGE	REMARKS
Fruit trees (first-year, non-bearing): apples, apricot, cherry, peach, pear and plum	Annual Grasses and Broadleaf Weeds	PRINCEP NINE-T: 1.1 - 2.2 kg/ha plus DUAL [®] Magnum [™] or DUAL II Magnum: 1.25 - 1.75 L/ha	Apply once per season. Avoid contact with trunk and leaves of trees. Do not use on sandy soils with organic matter less than 2%. Apply post planting, pre-emergent to weeds, preferably after rain has settled the soil around the trees. Backpack sprayer or tractor mounted boom may be used for application. Late season emerging fall panicum and crabgrass may escape treatment.
Fruit trees (first-year, non-bearing): apples, apricot, cherry, peach, pear and plum	Annual weeds	PRINCEP NINE-T: 2.2 kg/ha plus Devrinol [®] 50WP 7 kg/ha	Apply once per season, after planting and prior to emergence of weeds. Use a tractor mounted boom sprayer. Apply in 150 - 300 L water/ha.

* Refer to labels of products to be tank mixed with PRINCEP NINE-T for detailed instructions.

FIELD CROPS:

CROP	RATE PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
Alfalfa	1.1 kg	For stands at least one year old, make one application per year in the fall after last cutting but prior to permanently frozen ground conditions.
Birdsfoot Trefoil	1.1 kg	For stands at least one year old apply from September to November before permanently frozen ground conditions. May be applied in year of seeding if population is at least 5 plants per 10 cm ² and if plants are at least 15 cm high.

NOTES: (Alfalfa and Birdsfoot trefoil)

- Do not overlap application.
- Do not apply Gramoxone[®] within one year after the PRINCEP NINE-T application.
- Do not apply PRINCEP NINE-T to the same field for more than three consecutive years.
- Allow 30 days between application and grazing to dairy and beef cattle and sheep, and 60 days between application and cutting for hay.

CROP	RATE PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
Corn	1.5 - 2.5 kg	Use low rate on sandy soils, and the high rate on loams and clays, or where grassy weeds predominate.

ADDITIONAL NOTES ON CORN:

Timing: Apply one week prior to seeding; incorporate to a depth of 2.5 cm.

OR

Apply no later than 4 days after seeding prior to weed emergence.

Soil Preparation: Apply to a firm level seedbed. Cultipack if necessary.

Cultivation: PRINCEP NINE-T requires rainfall to be activated. Escaped weeds in dry weather should receive a shallow cultivation.

PRINCEP NINE – T is a residual herbicide; the following precautions should be observed:

- Only corn may be planted during the season of application.
- If rates greater than 2 kg/ha are used, only corn may be planted the following year.
- Injury may occur to succeeding crops of white beans, onions, peas, tomatoes and turnips if dry weather occurs during the year of application. Sugar beets should not be planted the year following PRINCEP NINE-T application.
- Uneven application may damage succeeding crops.
- Ploughing the land flat, as opposed to setting the furrow on edge, should precede the planting of any rotational crop.
- Eroded soil containing PRINCEP NINE-T may injure existing or subsequent crops.

VEGETABLE CROPS:

CROP	RATE* PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
Asparagus	2.5 - 3.75 kg	Established Plantings Only Apply after discing in spring prior to weed and spear emergence and at least 7 days before first cutting. A second application may be applied after harvest completion if established weeds are removed. Do not apply during cutting season.

* Use the low rate on sandy soils and the high rate on loams and clays.

TANK MIXES (for use in B.C. only)

CROP	PEST(S)	RATE/ DOSAGE*	REMARKS
Asparagus	Annual Weeds	PRINCEP NINE-T 1.2 - 2.4 kg/ha + Devrinol 50WP 9.0 - 13.4 kg/ha	(Established Plantings Only) Make one application per season. Apply prior to spear emergence. Do not apply within 6 days of harvest.

*Refer to the label of tank mix partner for detailed use directions, precautions and restrictions.

WOODY ORNAMENTALS & NURSERY STOCK:

CROP	RATE PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
Cedar (Arbor vitae, Thuja spp.), Barberry, Apple, Flowering crabapple, (Malus spp.), Boxwood, Cotoneaster, Dogwood, Holly Rose, Yews (Taxus spp.), Chamaecyparis, Hemlock, Juniper, Multiflora Rose, Peony, Blue spruce, Norway spruce, Red spruce, White spruce, Mugho pine, Black walnut, White ash	2.5 - 3.75 kg	Apply only to stock which is established one year or more Apply in the fall or spring prior to weed emergence and bud-break. If weeds have emerged, hoe or cultivate before application. Use low rate for sandy or low organic matter soils. Use high rate for clay or high organic soils.

NOTE:

- Do not use treated areas for nursery seedbeds or cutting beds for at least 12 months after treatment.
- If application was uneven, or, if rates in excess of those recommended have been applied, a longer period should elapse before such use.

CROP	RATE PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
Nursery container stock - Juniper, Cedar, Yew	2.5 kg	Apply once per season, one month after planting. Apply prior to weed emergence. If weeds have emerged, remove them from container before application.

SHELTERBELTS:

CROP	RATE PRINCEP NINE-T PER HA IN 500 L OF WATER	NOTES
Caragana, Green ash, Siberian elm, American elm, Boxelder maple	5.0 - 7.5 kg	Established one season or more Apply in the fall or early spring, pre-emergent to weeds. Injury may occur to trees grown in saline soils.

CHRISTMAS TREES & WOODLAND PLANTATIONS (LESS THAN 500 HA):

CROP	RATE PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
White pine, Balsam fir (2 - 0 stock or older)	5.0 - 7.0 kg*	New or established plantings Apply in the spring prior to weed growth or in fall prior to freeze up. Use the higher rate where there are heavy infestations of perennial grasses, e.g., quack grass.

- * This rate refers to the actual treated area. Band spraying will require proportionately less according to row spacing and band width. Apply in a band centered over the rows. The following chart shows the rate of PRINCEP NINE-T per hectare of trees.

RATE OF PRINCEP NINE-T PER HA OF TREES (KG)		
ROW SPACING	70 CM BAND	1.0 M BAND
2.1 m	1.7 - 2.3	2.4 - 3.3
1.8 m	1.9 - 2.7	2.8 - 3.9
1.5 m	2.3 - 3.3	3.3 - 4.7
1.2 m	2.9 - 4.1	4.2 - 5.8

SITE PREPARATION FOR CONIFER PLANTING (less than 500 ha):

CROP	RATE PRINCEP NINE-T PER HA IN 300 L OF WATER	NOTES
Spruce, Fir, Pine seedlings	3.9 kg	Site preparation for planting One application mid-April to mid-May. Planting may follow within a few days. Backpack sprayer: Apply 3.9 kg/ha of treated band area. Tractor Boom/Boomless Sprayer. Apply 3.9 kg/ha

FILBERTS AND HAZELNUTS**NOTE TO BUYER/USER:**

The DIRECTIONS FOR USE for this product for weed control in Filberts and Hazelnuts were developed by persons other than Novartis Crop Protection Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Novartis Crop Protection Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on Filberts and Hazelnuts.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Novartis Crop Protection Canada Inc. harmless, from any claims based on efficacy and/or phytotoxicity in connection with use on Filberts and Hazelnuts.

WEEDS CONTROLLED: PRINCEP NINE-T alone

Lady's-thumb	Volunteer Clovers
Lamb's-Quarters	Barnyard Grass
Purslane	Crabgrass
Ragweed	Wild Oats
Wild Buckwheat	Yellow Foxtail
Smartweed	

Perennial species starting from seed

TIMING	RATE/HA/ APPLICATION	REMARKS
One application per year in spring prior to emergence of weeds	PRINCEP NINE-T: 2.0-2.5 kg	Apply, using ground application equipment only, to trees established one year or more. Use the low rate on sandy soil and the high rate on loam or clay soil or where grass weeds predominate.

WEEDS CONTROLLED: TANK MIX WITH GRAMOXONE

Broadleaf Weeds and Grass Weeds

TIMING	RATE/HA/ APPLICATION	REMARKS
One application per year after the weeds have emerged	PRINCEP NINE-T: 2.0-2.5 kg plus Gramoxone Liquid Herbicide : 5.0 L	Apply, using ground application equipment only, to trees established one year or more. Use the low rate of PRINCEP NINE-T on sandy soil and the high rate on loam or clay soil or where grass weeds predominate. Thorough coverage is necessary for good weed control. Refer to the Gramoxone label for detailed instructions before tank-mixing with PRINCEP NINE-T.

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