

Container Label

IGNITE® SN

Herbicide

GROUP

10

HERBICIDE

**FOR SALE FOR USE IN EASTERN CANADA
AND BRITISH COLUMBIA**

SOLUTION

COMMERCIAL



**WARNING - EYE IRRITANT
CAUTION - SKIN IRRITANT**

**REGISTRATION NUMBER 28532
PEST CONTROL PRODUCTS ACT
ACTIVE INGREDIENT: glufosinate ammonium 150 g/L**

NET CONTENTS: [10 L – 400 L]

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**

BASF Canada Inc.
5025 Creekbank Road
Building A, 2nd Floor
Mississauga, Ontario L4W 0B6
1-877-371-2273

**READ THE LABEL AND ATTACHED
DIRECTIONS FOR USE BEFORE USING**

IGNITE SN Herbicide is not registered for use on any glufosinate ammonium tolerant crops (i.e., LibertyLink®).

IGNITE is a registered trade-mark of BASF SE and LibertyLink is a registered trade-mark of BASF Agricultural Solutions Seed US LLC, used under license by BASF Canada Inc.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. This product may cause eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly after using and before eating, drinking or smoking. DO NOT APPLY BY AIR. DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. **Protective Clothing and Equipment:** Wear protective clothing including a long-sleeved shirt, long pants, eye protection (goggles or face shield), chemical resistant gloves and a respirator during mixing, loading, spraying, repairing and clean-up. Change contaminated clothing daily and wash before reusing. DO NOT handle product with bare hands. Chemical resistant gloves significantly reduce hand exposure. ALWAYS wear gloves for mixing/loading operations and when making sprayer and nozzle repairs and adjustments. DO NOT USE LEATHER OR CLOTH GLOVES. Rinse gloves with soap and water before removal, and wash hands thoroughly after using, and before eating, drinking or smoking. Clean protective equipment daily. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention. **If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person. **If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. **If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION:

Note to Physician: If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible, followed by charcoal and sodium sulfate administration.

ENVIRONMENTAL PRECAUTIONS: TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under Directions for Use. Avoid spray drift to other plants. CAUTION: Do not mix IGNITE SN Herbicide with pesticides, fertilizers or any other chemical additives unless recommended in the directions for use. USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.

STORAGE: Do not store below freezing. If stored for 1 year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs. Do not use or store in or around the home. Keep in original container during storage.

DISPOSAL

Recyclable Container Disposal:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Container Disposal:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal of Unused, Unwanted Product:

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 cleanup of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

Booklet

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Herbicide

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BEFORE USING

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IGNITE SN Herbicide

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GENERAL INFORMATION

Section 1: The Product

For use in eastern Canada and British Columbia.

- IGNITE SN Herbicide is a non-selective herbicide.
- IGNITE SN Herbicide may be used as a harvest aid (desiccant) in dry common beans.
- IGNITE SN Herbicide will also desiccate weeds present in the field at application.
- IGNITE SN Herbicide may also be used for annual and perennial weed control in lowbush blueberries, strawberries and under fruit trees, grape vines and tree nuts.
- IGNITE SN Herbicide may also be used for primocane control in established raspberries.
- When applied pre-emergent to the crop, but post-emergent to weeds, IGNITE SN Herbicide may also be used on stale seedbed in vegetables or at ground crack in potatoes.
- IGNITE SN Herbicide breaks down rapidly in the soil. There are no cropping or rotational restrictions after application.
- IGNITE SN Herbicide is not registered for use on any glufosinate ammonium tolerant crops (i.e., LibertyLink®).

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing and Equipment

PRECAUTIONS:

- KEEP OUT OF REACH OF CHILDREN.
- This product may cause eye irritation.
- Avoid contact with eyes, skin or clothing.
- Avoid breathing spray mist.
- Wash thoroughly after using and before eating, drinking or smoking.
- DO NOT APPLY BY AIR.
- DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Protective Clothing and Equipment:

- Wear protective clothing including a long-sleeved shirt, long pants, eye protection (goggles or face shield), chemical resistant gloves and a respirator during mixing, loading, spraying, repairing and cleanup.
- Change contaminated clothing daily and wash before reusing.
- DO NOT handle product with bare hands. Chemical resistant gloves significantly reduce hand exposure. ALWAYS wear gloves for mixing/loading operations and when making sprayer and nozzle repairs and adjustments. DO NOT USE LEATHER OR CLOTH GLOVES.

- Rinse gloves with soap and water before removal, and wash hands thoroughly after using, and before eating, drinking or smoking.
- Clean protective equipment daily.
- Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Section 3: First Aid and Toxicological Information

FIRST AID:

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

- **If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.
- **If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
- **If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
- **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION:

Note to Physician: If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible, followed by charcoal and sodium sulfate administration.

Section 4: Environmental Precautions

- TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under Directions for Use.
- Do not contaminate water supplies or open bodies of water by direct application, spray drift or when cleaning and rinsing spray equipment or containers.
- Avoid spray drift to susceptible plants and non-target areas.
- USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.

Section 5: Storage

- Do not store below freezing.
- If stored for 1 year or longer, shake well before using.
- Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs.
- Do not use or store in or around the home.
- Keep in original container during storage.

Section 6: Disposal

Recyclable Container Disposal:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Container Disposal:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal of Unused, Unwanted Product:

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 cleanup of spills.

Disposal of Unused Spray Solution:

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, away from water supplies, ditches, and irrigation canals.

DIRECTIONS FOR USE

Section 7: Crops, Weeds, Rates, Timing

- The speed of action of IGNITE SN Herbicide is influenced by environmental factors. Avoid contact with desirable plants either from direct application or from spray drift as severe damage may occur. Avoid contact with desirable plants either from direct application or from spray drift as severe damage may occur.

7.1 Use as a Desiccant

CROP	RECOMMENDATIONS	RATE
DRY COMMON BEANS (Do not apply to Dry Common Beans grown for seed)	<p>Apply when approximately 50-75% of the bean pods have naturally changed colour from green to yellow or brown (pod turn). The crop may be straight combined when ready, allowing a minimum of 9 days after application.</p> <p>IGNITE SN Herbicide, when applied to Dry Common Beans at the appropriate stage, will uniformly dry down the crop and weeds, facilitating harvest and preventing bean staining. Any secondary growth will be terminated, and moisture levels in the seed will be reduced, allowing for earlier harvest.</p>	2.5 – 3 L/ha ¹
<p>¹ Use the higher rate when the crop canopy is dense and/or there are high populations of weeds present at application.</p> <p>Note: IGNITE SN Herbicide will also desiccate weeds present in the field at application (Wild Buckwheat may not be completely desiccated).</p> <p>Note: For application instructions, refer to Section 8.1.</p>		

7.2 Primocane Control in Raspberry

CROP	RECOMMENDATIONS	RATE
RASPBERRY (established Raspberries only)	IGNITE SN Herbicide is recommended for the control of primocanes in established Raspberries. Apply when shoots are about 10-20 cm in height. DO NOT apply to immature or weak plantings.	BROADCAST RATE 6.67 L/ha BANDED RATE Adjust the Broadcast application rate per hectare proportional to the width of the band applied. Use the formula to calculate the banded rate per hectare:
	FORMULA TO CALCULATE THE BANDED RATE PER HECTARE Banded rate per hectare = (Band width ÷ Row width) x Broadcast Rate Example: 3.05 metre row spacing and 0.61 metre band width (0.61 M ÷ 3.05 M) x 6.67 L/ha = 1.33 L/ha band rate	
	Caution: Avoid contact of the spray with desirable canes, plants and vegetation. Note: For application instructions, refer to Section 8.2.	

7.3 Weed Control in Orchards and Vineyards

CROP	RECOMMENDATIONS	RATE
<ul style="list-style-type: none"> • APPLES • APRICOTS • CHERRIES (sweet and sour) • Highbush Blueberries • GRAPES • PEARS • NECTARINES • PLUMS • PEACHES • MEMBERS OF CROP GROUP 14-11: TREE NUTS, INCLUDING: <ul style="list-style-type: none"> - ALMOND, - BEECH NUT, - BUTTERNUT, - CHESTNUT, - FILBERT (HAZELNUT), - HICKORY NUT, - PECAN, - WALNUT, - CHINQUAPIN NUT, - BUR OAK NUT, - GINGKO NUT, - HEARTNUT, - JAPANESE HORSE CHESTNUT, - PINE NUT 	<p>IGNITE SN Herbicide is recommended for the control of weeds in established orchards and vineyards.</p> <p>IGNITE SN Herbicide may be applied with ground (boom) spray equipment, high volume, orchard spray guns or hand-held pump-type and backpack sprayers.</p> <p>For the specific weeds controlled by IGNITE SN Herbicide, refer to Section 7.6.</p> <p>Repeat treatments may be necessary to control new germination of annual weeds. Do not make more than 2 applications per year. Do not apply more than 6.7 L/ha total product in one season.</p> <p>Avoid contact of IGNITE SN Herbicide solution, spray, drift or mist with green bark, stems, or foliage, as injury may occur to trees, vines or canes. Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, tree/bark guards, grow tubes or waxed containers. Contact of IGNITE SN Herbicide with parts of trees, vines or canes other than mature brown bark can result in serious damage.</p> <p>For control of weeds present and residual control of annual grass and broadleaf weeds IGNITE SN Herbicide may be tank mixed with Princep® Nine-T® Herbicide or Simadex® Simazine Flowable. (See Section 9 for tank mix instructions.</p>	<p>POWER AND/OR TRACTOR OPERATED SPRAYERS</p> <p>Apply IGNITE SN Herbicide at 2.7-5 L/ha for the control of annual grass and broadleaf weeds. Use as a directed spray around the base of the trees or vines.</p> <p>HAND-HELD PUMP-TYPE AND BACKPACK SPRAYERS</p> <p>Mix IGNITE SN Herbicide at 27-50 mL of product per 10 litres of spray solution for the control of annual grass and broadleaf weeds. Use as a directed spray around the base of the trees or vines.</p>
<p>Note: For application instructions, refer to Section 8.3.</p>		

7.4 WEED CONTROL IN MINOR USE CROPS

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than BASF Canada Inc. under the User Requested Minor Use Label Expansion program. For these uses, BASF Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

CROP	RECOMMENDATIONS	RATE
<p>Lowbush Blueberries (Dormant Application)</p>	<p>IGNITE SN Herbicide is recommended for the control of weeds in dormant lowbush blueberries in the non-crop year.</p> <p>For the specific weeds controlled by IGNITE SN Herbicide, refer to Section 7.6.</p> <p>IGNITE SN Herbicide may be applied with ground (boom) spray equipment, high volume, orchard spray guns or hand-held pump-type and backpack sprayers.</p> <p>Broadcast application must be made to dormant lowbush blueberry plants. Field must be entering into prune (vegetative) production phase in season following application. Broadcast application can be made after blueberry leaf drop in the late fall of the cropping season but before blueberry sprout emergence in the spring following pruning.</p> <p>Avoid contact of IGNITE SN Herbicide solution, spray, drift or mist with green bark, stems, or foliage, as injury may occur to plants. Only sprouts with mature brown bark should be sprayed or blueberry plants should be pruned before application. Contact of IGNITE SN Herbicide with parts of plants other than mature brown bark can result in serious damage.</p> <p>IGNITE SN Herbicide may be tank mixed with Sinbar Herbicide WDG or Velpar DF CU Herbicide Water Dispersible Granule for control of weeds listed on the respective labels, including control or improved control of hawkweed, sheep sorrel and many annual and perennial grasses. Do not apply a tank mixture of IGNITE SN Herbicide + Sinbar Herbicide WDG or IGNITE SN Herbicide + Velpar DF CU Herbicide Water Dispersible Granule more often than once per year. (See Section 9 for tank mix instructions)</p>	<p>POWER AND/OR TRACTOR OPERATED SPRAYERS</p> <p>Apply IGNITE SN Herbicide at 2.7-5 L/ha for the control of annual grass, broadleaf weeds and suppression of perennial weeds.</p> <p>Apply IGNITE SN Herbicide in a minimum of 110 L/ha of water. Apply at a spray pressure of 275-310 kPa using nozzles (flat fan, hollow, or cone) which will provide small droplets and thorough coverage.</p> <p>HAND-HELD PUMPTYPE AND BACKPACK SPRAYERS</p> <p>Mix IGNITE SN Herbicide at 27-50 mL of product per 10 litres of spray solution for the control of annual grass and broadleaf weeds. Use as a directed spray if sprouts have emerged.</p> <p>Repeat treatments may be necessary to control new germination of annual weeds. Do not make more than 2 applications of IGNITE SN Herbicide per year. Do not apply more than 6.7 L/ha total product in one season.</p>
<p>Strawberries (day neutral and June bearing)</p>	<p>Application may be made to strawberries in the fall, spring or in-season. Refer to Section 7.6 for weeds controlled and general use information for optimum control.</p>	<p>IGNITE SN Herbicide may be applied as a banded application to row middles only, using a hooded or shielded sprayer.</p> <p>The rates listed in Section 7.6 are for broadcast application. Adjust the broadcast application rate per hectare proportional to the width of the band applied. Use the formula in Section 7.2 to calculate the banded rate per hectare.</p> <p>Avoid contact of IGNITE SN Herbicide solution, spray, drift or mist with strawberry plants</p>

		<p>as serious crop injury may result.</p> <p>Repeat treatments may be necessary to control new germination of annual weeds. Do not make more than 2 applications per year. Do not apply more than 6.7 L/ha total product in one season.</p> <p>IGNITE SN Herbicide may be applied with ground (boom) spray equipment, or hand-held pump-type and backpack sprayers.</p> <p>When applying with tractor operated sprayers, apply IGNITE SN Herbicide in a minimum of 150 L of water per hectare. For application using hand-held pump type or backpack sprayers, apply IGNITE SN Herbicide in a water volume of 10 litres per 100 m² to provide thorough coverage, but not to the point of runoff. Ensure that spray pressures are maintained during application.</p> <p>Do not harvest the treated crop within 1 day of IGNITE SN Herbicide application.</p> <p>IMPORTANT: Growers/exporters are responsible for checking a reliable data source to ensure a Maximum Residue Limit is in effect prior to export.</p>
<p>Note: For application instructions, refer to Section 8.3.</p>		

7.5 Weed Control in Vegetables and Field Crops

IGNITE SN Herbicide will control weeds that are contacted, and will have no effect on the crop if it has not yet emerged.

The seedbed should be prepared in sufficient time prior to seeding the crop, to allow weeds to emerge. The crop is seeded with a minimum of disturbance to the (stale) seedbed. Application of IGNITE SN Herbicide may take place any time after initial cultivation of the seedbed up until emergence of the crop.

CROP	RECOMMENDATIONS	RATE
ASPARAGUS (stale seedbed, direct seeded)	IGNITE SN Herbicide may be applied prior to emergence of Asparagus as a stale seedbed technique for annual grass and broadleaf weed control.	Apply IGNITE SN Herbicide at 2.7-5 L/ha depending on the weeds present at application.
ASPARAGUS (established beds after harvest)	IGNITE SN Herbicide may be applied after spears have been harvested.	Apply IGNITE SN Herbicide at 2.7-5 L/ha depending on the weeds present at application.
CARROTS, LETTUCE, ONIONS (stale seedbed)	IGNITE SN Herbicide may be applied as a stale seedbed technique for annual grass and broadleaf weed control.	Apply IGNITE SN Herbicide at 2.7-5 L/ha depending on the weeds present at application.
POTATOES (ground crack)	Apply IGNITE SN Herbicide at no later than ground crack to control annual grass and broadleaf weeds. For residual control of annual weeds, IGNITE SN Herbicide may be tank mixed with Lexone® DF Herbicide Dispersible Granules. See Section 9 for tank mix instructions.	Apply IGNITE SN Herbicide at 2.7-5 L/ha depending on the weeds present at application.
Note: For application instructions, refer to Section 8.4.		

7.6 Weed Control Information

2.7 – 4 L/ha:

- Common Chickweed, Green Foxtail, Lamb's-quarters, Stinkweed, Wild Mustard, Redroot Pigweed (use 4 L/ha).

4 – 5 L/ha:

- Dandelion, Oak-leaved Goosefoot, Wild Buckwheat

Rate Range:

- Where a rate range is given use the higher rate when:
 1. the crop or weed growth is dense.
 2. the weeds are large and/or mature.
 3. the environmental conditions are cool and dry.

Timing:

- For best results, apply to emerged, young actively growing weeds. Weeds that emerge after application will not be controlled.
- Apply before weeds reach a height of 30 cm.
- IGNITE SN Herbicide will control weeds at all leaf stages, although coverage is more difficult when weeds are large or mature.
- Weeds will be best controlled when environmental conditions are favourable (warm temperatures, good moisture conditions, high humidity).

Section 8: Application Instructions and Cautions

Application Instructions:

- IGNITE SN Herbicide works primarily as a contact herbicide. Uniform, thorough coverage of the plant tissue to be desiccated or controlled is essential. Better coverage will be achieved with higher spray volumes.
- IGNITE SN Herbicide must be applied in properly maintained and calibrated spray equipment that is capable of providing rates and volumes as recommended.
- As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.
- **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Application Cautions:

- Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.
- **DO NOT APPLY BY AIR.**
- Avoid contact with desirable plants either from direct application or from spray drift as severe damage may occur.
- Avoid spraying when wind conditions are such that drift may occur to non-target plants.
- To avoid drift, keep the spray nozzle as low as possible, and spray during calm weather conditions.
- Do not apply when winds exceed 16 km/h when using boom sprayers.
- Do not apply when winds exceed 25 km/h when using hooded sprayers.
- Do not use flood jet nozzles, controlled droplet application equipment or air assisted spray equipment.
- If rainfall occurs with 4 hours of application, effectiveness may be reduced.

8.1 Application Instructions for Use as a Desiccant:

Apply IGNITE SN Herbicide in a minimum of 110 L/ha of water at a pressure of 275 kPa and at a ground speed of 6-8 Km/h. If check valves are used, apply at 310 kPa. The use of 80° or 110° flat fan nozzles is recommended for optimum spray coverage and canopy penetration.

Where crop canopy is dense, or weed growth is heavy, better spray coverage will be achieved with higher spray volumes. Under these conditions, apply 170-220 L/ha of water.

8.2 Application Instructions for Primocane Control in Raspberry:

Apply IGNITE SN Herbicide in a minimum of 330 L/ha of water. Use a combination of spray pressures and nozzles, which will provide small droplet sizes and thorough coverage.

8.3 Application Instructions for Weed Control in Orchards and Vineyards:

Power and Tractor-Operated Sprayers:

Apply IGNITE SN Herbicide in 330-1100 L/ha of water. Apply at a spray pressure of 275-310 kPa using nozzles (flat fan, hollow, or cone) which provide small droplets and thorough coverage.

Hand-Held Pump-Type and Backpack Sprayers:

Apply IGNITE SN Herbicide in a water volume of 10 litres per 100 M² to provide thorough coverage, but not to the point of runoff. Ensure that spray pressures are maintained during application.

8.4 Application Instructions for Weed Control in Vegetables and Field Crops:

Apply IGNITE SN Herbicide in a minimum of 110-330 L/ha of water. Apply at a spray pressure of 275-310 kPa using nozzles (flat fan, hollow, or cone) which will provide small droplets and thorough coverage.

8.5 Spray Buffer Zones:

Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer and spot treatment.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Spray Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	
Field Sprayer	Apple, Apricot, Asparagus, Bean, Carrot, Cherry (sweet and sour), Grape, Blueberry (highbush and lowbush), Strawberry, Lettuce, Nectarine, Onion, Peach, Pear, Plum, Potato, Raspberry, Members of Crop	1	0	1

	Group 14-11: Tree Nuts, including: almond, beech nut, butternut, chestnut, filbert (hazelnut), hickory nut, pecan, walnut, chinquapin nut, bur oak nut, gingko nut, heartnut, Japanese horse- chestnut, pine nut			
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When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

Section 9: Tank Mixes

This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact BASF Canada Inc. at 1-877-371-2273 for information before applying any tank mix that is not specifically recommended on this label.

- Do not mix IGNITE SN Herbicide with fertilizers or any other chemical additives unless recommended on this label.

APPLES AND PEARS (Bearing and Non-bearing Trees Established One Year or More)

USING POWER AND/OR TRACTOR OPERATED SPRAYERS:

Tank Mix Product	Application Rate	Directions
Princep Nine-T Herbicide	2-5 kg/ha	Consult the Princep Nine-T Herbicide and Simadex Simazine Flowable labels for further instructions regarding directions for use, restrictions, precautions and weeds controlled.
Simadex Simazine Flowable	4.5-9 L/ha	

USING HAND-HELD PUMP-TYPE AND BACKPACK SPRAYERS:

Tank Mix Product	Application Rate	Directions
Princep Nine-T Herbicide	25-50 g/10 L	Consult the Princep Nine-T Herbicide and Simadex Simazine Flowable labels for further instructions regarding directions for use, restrictions, precautions and weeds controlled.
Simadex Simazine Flowable	45-90 mL/10 L	

GRAPES (Established Three Years or More) – Eastern Canada Only**USING POWER AND/OR TRACTOR OPERATED SPRAYERS:**

Tank Mix Product	Application Rate	Directions
Princep Nine-T Herbicide	4-5 kg/ha	Consult the Princep Nine-T Herbicide and Simadex Simazine Flowable labels for further instructions regarding directions for use, restrictions, precautions and weeds controlled.
Simadex Simazine Flowable	7.2-9 L/ha	

USING HAND-HELD PUMP-TYPE AND BACKPACK SPRAYERS:

Tank Mix Product	Application Rate	Directions
Princep Nine-T Herbicide	40-50 g/10 L	Consult the Princep Nine-T Herbicide and Simadex Simazine Flowable labels for further instructions regarding directions for use, restrictions, precautions and weeds controlled.
Simadex Simazine Flowable	72-90 mL/10 L	

LOWBUSH BLUEBERRY**USING POWER AND/OR TRACTOR OPERATED SPRAYERS:**

Tank Mix Product	Application Rate	Directions
Velpar DF CU Herbicide Water Dispersible Granule	1.92-2.56 kg/ha	Consult the Sinbar Herbicide WDG or Velpar DF CU Herbicide Water Dispersible Granule labels for further instructions regarding directions for use, restrictions, precautions and weeds controlled.
Sinbar Herbicide WDG	1.5-2.5 kg/ha	

POTATOES

Eastern Canada or Coastal British Columbia:

Tank Mix Product	Application Rate	Directions
Lexone DF Herbicide Dispersible Granules	750 g/ha	Consult the Lexone DF Herbicide Dispersible Granules label for further instructions regarding directions for use, restrictions, precautions and weeds controlled.

Interior British Columbia:

Tank Mix Product	Application Rate	Directions
Lexone DF Herbicide Dispersible Granules	350 g/ha	Consult the Lexone DF Herbicide Dispersible Granules label for further instructions regarding directions for use, restrictions, precautions and weeds controlled.

Section 10: Resistance Management Recommendations

For resistance management, IGNITE SN Herbicide is a Group 10 herbicide. Any weed population may contain or develop plants naturally resistant to IGNITE SN Herbicide and other Group 10 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of IGNITE SN Herbicide or other Group 10 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weeds as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.

- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact your local BASF Canada representative at 1-877-371-2273.

Section 11: Mixing Instructions

IGNITE SN Herbicide must be applied with properly calibrated, clean equipment.

IGNITE SN Herbicide is specially formulated to mix readily in water.

Prior to adding IGNITE SN Herbicide to the spray tank, ensure that the spray tank is thoroughly clean (see Section 12 “SPRAYER CLEANUP”).

1. Fill tank to three-quarters full with clean water prior to adding IGNITE SN Herbicide.
2. Add the correct amount of IGNITE SN Herbicide.
3. Add the remaining amount of water, begin agitation, and spray out immediately.

Note: When tank mixing IGNITE SN Herbicide always add the tank mix partner to the tank *first*, ensure that it is thoroughly mixed, *and then* add IGNITE SN Herbicide.

Note: The addition of an anti-foaming agent may reduce foaming, especially when using soft water.

Note: Ensure that all circuits (pipes, booms, etc.) have the correct IGNITE SN Herbicide/water concentration before application is started.

Section 12: Sprayer Cleanup

- Before and after using IGNITE SN Herbicide always complete a thorough cleaning of the spray tank, lines and filter. Spray equipment should be thoroughly rinsed using a strong detergent solution.
- When using tank mixes, consult the tank mix product label for additional cleanup instructions.

Section 13: Livestock Feeding, Pre-Harvest Intervals

Livestock Feeding:

- Grain and meal from treated crops can be fed to livestock.
- **CAUTION:** Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

Pre-Harvest Intervals:

Strawberries	1 day
Potatoes	9 days
Dry Common Beans	9 days
Apricots	14 days
Cherries (sweet and sour)	14 days
Highbush Blueberries	14 days
Nectarines	14 days
Peaches	14 days
Plums	14 days
Tree Nuts	14 days
Apples	40 days
Grapes	40 days
Pears	40 days

Section 14: Notices

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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