

(Base Label)

GROUP 3 HERBICIDE

Bonita Herbicide

Granular Herbicide

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION) ONLY.

For Pre-Emergent Control of Grassy and Broadleaf Weeds in a Number of Field Crops.

COMMERCIAL

POTENTIAL SKIN SENSITIZER

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT: Trifluralin ... 10.0 %

REGISTRATION NO. 34924 PEST CONTROL PRODUCTS ACT

Net Contents: 0.5 - 22.7 kg

SHARDA Cropchem Limited
2nd Floor, Prime Business Park
Dashrathlal Joshi Road
Vile Parle (West)
Mumbai - 400056, India

Canadian Agent:
SHARDA Cropchem Limited
63 Kingsview Blvd
Etobicoke, Ontario, CA
M9R 1V1
1-844-810-5720
1-416-840-5639

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. POTENTIAL SKIN SENSITIZER. Avoid contact with eyes, skin and clothing. Wash hands and arms thoroughly after application. Avoid contamination of feed and foodstuffs. Do not contaminate any body of water. Keep in original bag during storage.

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition, wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested during handling (including clean-up and repair). For applications, wear a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides.

Apply only to agricultural crops when the potential for drift to areas of human habitation and 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.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay. Avoid application of the product when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced, by including a vegetative filter strip between the treated area and the edge of the water body.

FIRST AID

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 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 further treatment advice.

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.

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

TOXICOLOGICAL INFORMATION

Treat symptomatically.

STORAGE

Do not store under direct sunlight. Store in areas of cool temperatures. Do not store in granular applicators for a prolonged period of time (maximum 24 hours).

DISPOSAL

NON-REUSABLE BAGS:

- Do not reuse this bag for any purpose
- Thoroughly empty contents of the bag into the application device.
- Make the empty bag unsuitable for further use.
- Dispose of the bag in accordance with provincial requirements.

REUSABLE BAGS:

The outer bag is reusable. Do not damage. For disposal, the outer bag may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this outer bag for any other purpose.

- Thoroughly empty contents of the bag into the application device.
- Make the empty bag unsuitable for further use.
- Dispose of the liner in accordance with provincial requirements.

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 clean-up 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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NOTICE TO USER

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DIRECTIONS FOR USE

GENERAL INFORMATION

Discard clothing or other absorbent materials that have been heavily contaminated with this product. DO NOT reuse them. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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.

To minimize the release of trifluralin into the environment due to volatilization, trifluralin should only be applied on cool mornings and evenings when air temperatures are 15°C or lower. To further reduce volatilization to the atmosphere, incorporation into the soil should occur concurrently with application.

REGISTERED CROPS

BONITA HERBICIDE is a specially formulated herbicide for the control of certain annual grassy and broadleaf weeds in Rapeseed (Canola), Barley (Fall application only), Flax (except low linolenic acid

varieties, Summer and Fall application only), Sunflowers, Mustard, Lentils (Fall and Summer application only), Peas (Field and Processing), Fababeans, and Triazine Tolerant Rapeseed (Canola). BONITA HERBICIDE can also be used on summerfallow followed by Wheat in rotation providing weed control in both years; as well, it can be applied in the Fall on summerfallow or stubble for Green and Yellow Foxtail control the following year in Wheat. See the Special Section titled “DIRECTIONS FOR USE IN WHEAT”.

BONITA HERBICIDE MUST NOT BE USED ON ANY CROP FOR WHICH IT IS NOT REGISTERED.

CAUTION

DO NOT graze the treated crops or cut for hay.

FALL APPLICATIONS OF PRE-EMERGENCE HERBICIDES

For reasons of soil conservation Sharda Cropchem Limited does **not** recommend the Fall application of BONITA HERBICIDE to soils which are subject to erosion by wind, water or other factors. Fall application to summerfallow under certain conditions such as low trash cover or light textured soils may predispose the field to wind and/or water erosion and is **not** recommended.

Read all directions carefully before applying BONITA HERBICIDE.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, BONITA HERBICIDE is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to BONITA HERBICIDE and other Group 3 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 BONITA HERBICIDE or other Group 3 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 weed(s) 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 when moving between fields, 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 Sharda Cropchem Limited at 1-844-810-5720.

DIRECTIONS FOR USE IN ALL CROPS (INCLUDING WHEAT)

- Do not apply to soils which contain more than 15 per cent organic matter such as peat or muck soils (maximum 10 per cent organic matter on Barley).
- Do not apply to wet soils that are subject to excessive flooding.
- Do not apply to soils that are extremely lumpy, cloddy or in poor working condition.
- For maximum weed control and crop tolerance, follow label directions at all times. Read all directions before applying BONITA HERBICIDE.

CAUTION

Application of BONITA HERBICIDE to soils that are subject to flooding (standing water for more than 3-5 days) may result in reduced weed control. This reduction in weed control may occur if the soils are flooded between the time of BONITA HERBICIDE application and crop maturity (harvest). If these soils are flooded for a considerable period of time (3 weeks or more) the result may be no weed control at all.

When used according to label directions, BONITA HERBICIDE will not damage the treated crop. Emerging crop, weakened from factors such as deep planting, excessive moisture, cold temperatures, seedling disease, poor soil fertility, drought and saline soils may increase the risk of damage from BONITA HERBICIDE resulting in a delay in crop maturity and/or reduced yields.

Highly sensitive crops such as Tame Oats, Sugarbeets and small seeded annual grasses (Timothy, Canary Seed Grass and Creeping Red Fescue) should not be grown in rotation in the year following BONITA HERBICIDE application.

SPECIAL INSTRUCTIONS FOR CROP ROTATIONS

- The rate of breakdown of BONITA HERBICIDE, in the soil, is influenced by environmental factors which occur during the year of control, and those of the following spring, i.e., May 1st-May 1st. If precipitation during this period is below normal, the level of carryover into the following growing season will be increased.
- Crop injury may result to rotational crops (e.g. Wheat) if grown in the second year of a crop rotation following dry soil conditions during the first crop year after BONITA HERBICIDE

application. To reduce injury to rotational crops, seed the crops shallowly into a warm, moist seedbed.

DIRECTIONS FOR USE IN OILSEED CROPS, SPECIAL CROPS AND BARLEY
(For Use on Summerfallow-Wheat Rotations and for Green Foxtail Control in Wheat, see “DIRECTIONS FOR USE IN WHEAT” Section)

SUSCEPTIBLE WEEDS

ANNUAL GRASSES:

Wild Oats, Green and Yellow Foxtail (Wild Millet), Barnyard Grass, Persian Darnel, Annual Bluegrass, Crabgrass, Stinkgrass, Bromegrass, Cheat and Goosegrass.

ANNUAL BROADLEAVED WEEDS:

Pigweed, Russian Thistle, Lamb’s-quarters, Chickweed, Carpetweed, Knotweed, Purslane, Cow Cockle and Wild Buckwheat.

The above weeds will be controlled when BONITA HERBICIDE is applied at recommended rates and used as directed. Ensure that all incorporation directions are followed. Some Wild Oats and Wild Buckwheat may escape the BONITA HERBICIDE herbicidal action, however the crop competition will effectively suppress the escaped weeds so that little or no competition results with the crop. BONITA HERBICIDE controls weeds as they germinate. This occurs as the soil warms and soil temperatures approach 6°C.

TIME OF APPLICATION

BONITA HERBICIDE is applied before the crop is planted and before weed emergence. It is incorporated thoroughly into the soil to provide herbicidal action that will control all susceptible weeds. BONITA HERBICIDE does not control susceptible weeds that have already emerged through the soil at the time of application. It only controls susceptible weeds as they germinate.

LAND PREPARATION

Before applying BONITA HERBICIDE, ensure that all emerged and existing weeds have been eliminated through discing, cultivation or by chemical control. BONITA HERBICIDE can be applied to stubble or trashy soils; however, heavy trash soils should be thoroughly disced prior to BONITA HERBICIDE application in order to allow product penetration into the soil surface. Ensure that all large soil clods are broken before BONITA HERBICIDE application.

If manure has been applied to the field, ensure that it is thoroughly mixed into the soil with at least two tillage operations prior to BONITA HERBICIDE application.

If the field has been burned in order to remove previous crop residue (straw, trash, etc.), ensure that the field is tilled at least once prior to BONITA HERBICIDE application.

NOTE: DO NOT PLOW (MOLDBOARD) LAND PRIOR TO BONITA HERBICIDE APPLICATION.

METHOD OF APPLICATION

Apply BONITA HERBICIDE uniformly to the soil surface using a properly calibrated granular applicator. Using the equipment guidelines provided in this label or by the equipment manufacturer

adjust the applicator to provide the required rate of BONITA HERBICIDE. These guidelines should only be used as starting points for equipment calibration and each applicator should be checked frequently to ensure that the correct rate of BONITA HERBICIDE is being applied. Ensure that BONITA HERBICIDE is applied uniformly to the entire soil surface and avoid concentration of granules in narrow bands, etc. Incorporate BONITA HERBICIDE in the same direction as the application and within 24 hours of application. Ensure that all soil clods and lumps are broken during incorporation. Susceptible crops in rotation will not be damaged if BONITA HERBICIDE is applied uniformly. Avoid over-application.

NOTE: DO NOT apply by air.

INCORPORATION

Incorporate with disc implements or cultivators only. Deep tillage cultivators are not recommended. A tandem disc is recommended for the first incorporation. Do not delay the first incorporation more than 24 hours after BONITA HERBICIDE application. Both incorporations should be to the depth of 8-10 cm. The second incorporation must be at right angles to the first. Disc implements should be operated at 6-10 km/h and cultivators at 10-13 km/h.

NOTE:

- Incorporate BONITA HERBICIDE to a depth of 8-10 cm only for maximum weed control and crop tolerance.
- Use a disc implement when incorporating BONITA HERBICIDE on stubble or trashy soils.
- Cultivators should only be used for BONITA HERBICIDE incorporation when soils are in good working condition.
- To allow greater release of BONITA HERBICIDE and more effective weed control, delay the second incorporation for at least 5 days.

INSTRUCTIONS FOR SPRING APPLICATION

BONITA HERBICIDE can be applied in the spring pre-plant incorporated for weed control during the crop year, however this application is recommended in Manitoba only. Apply spring rates and follow incorporation instructions. Ensure proper tillage for good seedbed preparation. Do not apply BONITA HERBICIDE to Barley, Wheat, Flax or Lentils in the spring.

INSTRUCTIONS FOR SUMMER APPLICATION

For weed control in Flax, Rapeseed (Canola), Triazine Tolerant Rapeseed (Canola), Peas, Lentils, Mustard, Sunflowers and Fababeans the following year, apply BONITA HERBICIDE to summerfallow between June 1 and September 1 using the summer rate and incorporate within 24 hours after application of BONITA HERBICIDE. All subsequent incorporations may be done whenever resistant weed growth occurs for the remainder of the fallow season. Prior to planting the following spring, a shallow tillage once the soil has warmed is required. This is required for seedbed preparation and is best done with a Vibrashank cultivator or disc implement cutting to a depth of 5-8 cm. For summer application of BONITA HERBICIDE to Lentils and Flax, refer to the Special Sections on these crops.

INSTRUCTIONS FOR FALL APPLICATION

For weed control in the following year, apply BONITA HERBICIDE in the fall between September 1 and soil freeze-up, using Fall rates and following incorporation instructions. Do not delay initial incorporation more than 24 hours after application. The second incorporation may be done in the spring at the time of seedbed preparation and to the recommended depth. If both incorporations are done in the

fall, a shallow tillage in the following spring and prior to seeding is required. This shallow tillage is best done with a Vibrashank cultivator or disc implement cutting to a depth of 5-8 cm. It is preferred if both incorporations are done in the fall. For application of BONITA HERBICIDE to Barley, Lentils and Flax refer to the Special Sections on these crops respectively.

NOTE:

Following summer or fall application of BONITA HERBICIDE and prior to seeding, ensure a spring tillage operation is completed to a depth of 5-8 cm with either a disc implement or a Vibrashank cultivator. This should be done when the soil is warm enough to promote germination. Ensure weed seedlings are destroyed and not transplanted during the operation. Seed into a weed-free and well-prepared seedbed.

BONITA HERBICIDE
ALL CROPS EXCEPT BARLEY, WHEAT, FLAX AND LENTILS
Recommended Rates (Product) in Kilograms/Hectare

SEASON AND CROP	SOIL TEXTURE, SOIL ORGANIC MATTER (O.M.) AND SOIL ZONE				REMARKS
	LIGHT Sand, Sandy Loam	MEDIUM OR HEAVY Loam, Silt Loam, Silt, Sandy Clay Loam, Silty Clay Loam, Silty Clay, Clay			
	2-6% O.M. Brown, Dark Brown, Black & Grey Wooded Soil Zone	6-15% O.M Dark Brown, Black, Deep Black Soil Zone	2-6% O.M. Brown, Dark Brown, Black & Grey Wooded Soil Zone	6-15% O.M. Black, Deep Black Soil Zone	
SPRING APPLICATION					
Rapeseed (Canola), Mustard, Sunflowers, Peas (Field & Processing), Triazine Tolerant Rapeseed (Canola), Faba beans RECOMMENDED IN MANITOBA ONLY	8.5 kg	11.0 kg	11.0 kg	11.0 – 14.0 kg Use the higher rate for heavy Wild Oat infestations.	BONITA HERBICIDE may be applied and incorporated from 3 weeks before planting up to the time of planting. The first incorporation must be within 24 hours of application.
FALL APPLICATION					
Rapeseed (Canola), Triazine Tolerant Rapeseed (Canola), Peas (Field & Processing), Mustard, Sunflowers, Faba beans	11.0 kg	14.0 kg	14.0 kg	14.0 – 17.0 kg Use the higher rate for heavy Wild Oat infestations.	Apply BONITA HERBICIDE between Sept. 1 and up to freeze up. The first incorporation must be within 24 hours of application.
SUMMER APPLICATION					

Rapeseed (Canola), Triazine Tolerant Rapeseed (Canola), Peas (Field & Processing), Mustard, Sunflowers, Faba beans	17.0 kg	17.0 kg	17.0 kg	17.0 kg	Apply BONITA HERBICIDE between June 1 and Sept. 1. The first incorporation must be within 24 hours of application.
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SPECIAL INSTRUCTIONS FOR FLAX (EXCEPT LOW LINOLENIC ACID VARIETIES) AND LENTILS

- Application of BONITA HERBICIDE to Flax and Lentils may be made in summer or fall.
- Both incorporations should be done in the fall (summer) prior to seeding Flax or Lentils in the spring.
- To ensure a firm seedbed and maintain a constant depth of planting, a shallow tillage and a packed seedbed in spring are recommended.
- Seed with a drill to a depth of 2-4 cm into a moist and firm seedbed.
- Seed Flax and Lentils when soil temperatures are warm and greater than 6°C. This is usually after mid-May.
- Environmental factors that are referred to in the “DIRECTIONS FOR USE IN ALL CROPS” section may cause crop injury and reduced yields.

BONITA HERBICIDE FOR LENTILS AND FLAX (EXCEPT LOW LINOLENIC ACID VARIETIES)

Fall and Summer Application Only
Recommended Rates (Product) in Kilograms/Hectare

SEASON AND CROP	SOIL TEXTURE, SOIL ORGANIC MATTER (O.M.) AND SOIL ZONE				REMARKS
	LIGHT Sand, Sandy Loam		MEDIUM OR HEAVY Loam, Silt Loam, Silt, Sandy Clay Loam, Silty Clay Loam, Silty Clay, Clay Loam, Clay		
	2-6% O.M. Brown, Dark Brown, Black & Grey Wooded Soil Zone	6-15% O.M. Dark Brown, Black, Deep Black Soil Zone	2-6% O.M. Brown, Dark Brown, Black & Grey Wooded Soil Zone	6-15% O.M. Black, Deep Black Soil Zone	
FALL APPLICATION					
Lentils and Flax	11.0 kg	14.0 kg	11.0 kg	14.0 – 17.0 kg Use the higher rate for heavy Wild Oat infestations.	Apply BONITA HERBICIDE between Sept. 1 and up to freeze up. The first incorporation must be within 24 hours of application.
SUMMER APPLICATION					
Lentils and Flax	17.0 kg	17.0 kg	17.0 kg	17.0 kg	Apply BONITA HERBICIDE between June 1 and Sept. 1. The first incorporation must be within 24 hours of application.

SPECIAL INSTRUCTIONS FOR BARLEY

- Application of BONITA HERBICIDE to Barley is recommended as a fall treatment only.
- Barley is a fast-emerging, fast-growing cereal that has great natural competitive ability once established. DO NOT USE BARLEY RATES OF APPLICATION IN OTHER REGISTERED CROPS. SEE THE RATE OF APPLICATION SECTIONS FOR OILSEED AND SPECIAL CROPS AND FOR LENTILS AND FLAX WHEN USING BONITA HERBICIDE ON THESE CROPS RESPECTIVELY.
- Initial incorporation must be within 24 hours of BONITA HERBICIDE application and to a depth of 8-10 cm.
- The second incorporation should also be done in the fall at right angles to the first. For maximum effectiveness delay the second incorporation for 5 days.
- When using the lower rate of BONITA HERBICIDE some Wild Oats and Wild Buckwheat may escape the herbicidal action. Lower areas of fields with high Wild Oat populations should be tilled prior to seeding the Barley in order to reduce the Wild Oat density.
- Use the higher rate of BONITA HERBICIDE on all soils with 6-10 per cent organic matter except sand and sandy loam.
- Do not apply BONITA HERBICIDE for Barley on land treated with BONITA HERBICIDE, Treflan, or Triflurex since June 1 of the previous year.
- Do not apply to soils containing less than 2 per cent organic matter.
- Seeding should be done with drills and into moist, warm seedbed. Do not seed when soil conditions are cold. If seeding with a discer or air seeder avoid variable seeding depth and ensure a firm seedbed by packing after seeding.
- Do not seed early when soil conditions are cold.
- Some early season effects may be noticed on the Barley, however these effects are only temporary and the crop will recover to full yield potential.
- Application to severely eroded knolls may result in reduced crop stand.
- Application to fields with wide variances in soil organic matter or soil texture can result in reduced crop tolerance and variable weed control.
- See the following chart for correct application of BONITA HERBICIDE on Barley.

BONITA HERBICIDE FOR BARLEY
 Fall Application Only
 Recommended Rates (Product) in Kilograms/Hectare

SEASON AND CROP	SOIL TEXTURE, SOIL ORGANIC MATTER (O.M.) AND SOIL ZONE				REMARKS
	LIGHT	MEDIUM OR HEAVY			
	All soils with 2 to 4% O.M.	All soil textures with 4 to 6% O.M.	Sand and Sandy Loam with 6 to 10% O.M.	Loam, Silt Loam, Silt, Silty Clay Loam, Sandy Clay Loam, Silty Clay, & Clay with 6 to 10% O.M.	
	Brown, Dark Brown, Black &	Brown, Dark Brown, Black &	Brown, Dark Brown, Black Soil Zone	Black & Deep Black Soil Zone	

	Grey Wooded Soil Zone	Grey Wooded Soil Zone			
FALL APPLICATION					
Barley	8.5 kg	11.0 kg	11.0 kg	14.0 kg	Apply BONITA HERBICIDE between Sept. 1 and freeze up. Incorporate within 24 hours of application.

BONITA HERBICIDE FOR WHEAT

DIRECTIONS FOR USE IN WHEAT

BONITA HERBICIDE USE ON SUMMERFALLOW FOLLOWED BY WHEAT IN ROTATION.

BONITA HERBICIDE can be mixed (incorporated) into the soil during the summerfallow year to control several weeds during both years of the summerfallow-Wheat rotation. BONITA HERBICIDE will only control susceptible weeds as they germinate and will not control established weeds.

REGISTERED CROPS

All Spring Wheat varieties including Semi-Dwarf, Hard Red Spring and Durum Wheat.

WEEDS CONTROLLED

SUMMERFALLOW YEAR		CROP YEAR
Wild Oats	Lamb's-quarters	Green & Yellow Foxtail (Wild Millet)
Green & Yellow Foxtail (Wild Millet)	Russian Thistle	Lamb's-quarters
Barnyard Grass	Redroot Pigweed	Wild Oats*
Persian Darnel	Cow Cockle	Wild Buckwheat*
	Wild Buckwheat	

*Some Wild Oats and Wild Buckwheat may escape the BONITA HERBICIDE herbicidal action during the crop year depending on weed population as well as soil climatic conditions, however the crop competition will usually effectively suppress the escaped weeds so that little or no competition results with the crop.

NOTE:

The above weeds will be controlled when BONITA HERBICIDE is applied at recommended rates and used as directed. Ensure that all incorporation directions are followed. During the fallow year, susceptible weeds will not be fully controlled until after the second incorporation when there has been a uniform layer of soil treated with BONITA HERBICIDE established.

TIME OF APPLICATION

BONITA HERBICIDE can be applied to the summerfallow between May 1st and July 31st. Early application is recommended so that the greatest benefits of weed control during the fallow year can be achieved. If possible, apply BONITA HERBICIDE just prior to the first summerfallow operation.

LAND PREPARATION

BONITA HERBICIDE can be applied to stubble or trashy soils as well as pre-worked stubble. Very heavy trash soils should be pre-worked prior to BONITA HERBICIDE application in order to allow product penetration onto the soil surface. If green growth is heavy, destroy this growth before application of BONITA HERBICIDE. This growth can be removed either by cultivation or by chemical control methods.

METHOD OF APPLICATION

Apply BONITA HERBICIDE uniformly to the soil surface using a properly calibrated granular applicator. Incorporate BONITA HERBICIDE in the same direction as application and within 24 hours of application. Avoid over-application.

DO NOT apply by air.

INCORPORATION

Incorporate with cultivators or disc implements only. Deep tillage cultivators do not provide the best mixing action, however may be needed for the first fallow operation (incorporation) if trash conditions warrant it. Do not delay the first incorporation more than 24 hours after BONITA HERBICIDE application. Incorporate BONITA HERBICIDE at a working speed of 8-13 km/hr. The second incorporation must not be done any sooner than 5 days after the first incorporation and can be delayed until new weed regrowth requires a cultivation or disking. The second incorporation must be at right angles to the first. Both incorporations must be to a depth of 5-8 cm. Subsequent workings must be no deeper than 8 cm.

After the two incorporations, additional shallow tillage may be required to control resistant weed growth and provide more uniform mixing of BONITA HERBICIDE into the soil especially if a deep tillage cultivator was used for the first incorporations.

Do not apply and incorporate BONITA HERBICIDE when the soil is in poor working condition (wet, lumpy, or cloddy).

RATE OF APPLICATION

RECOMMENDED RATES IN KILOGRAMS PER HECTARE

SUMMERFALLOW APPLICATION

DATE OF APPLICATION	ORGANIC MATTER	
	1-3 per cent O.M.	4-8 per cent O.M
	KG/HA	KG/HA
May	9.5	11.0
June	8.0	9.5
July	6.5	8.0

NOTE: DO NOT APPLY BONITA HERBICIDE FOR SUMMERFALLOW-WHEAT ROTATIONS WHERE SOIL ORGANIC MATTER IS LESS THAN 1 per cent OR GREATER THAN 8 per cent.

SEEDBED PREPARATION

Ensure there is a well-prepared seedbed by providing a spring tillage operation using either a disc implement or field cultivator. (This operation may not be necessary if seeding with an air-seeder or discer.) Seed into a moist, warm and firm seedbed in order to promote quick germination. Ensure weed seedlings are destroyed and not transplanted during the spring operations. Seeding implements must be set to place the Wheat at a 3-6 cm depth. SHALLOW SEEDING IS ESPECIALLY IMPORTANT FOR SEMI-DWARF WHEAT VARIETIES.

The seedbed should be firmly packed or harrowed after seeding to promote good germination.

NOTE:

TO AVOID WHEAT INJURY, USE GOOD QUALITY SEED AND FOLLOW SEEDING PRACTICES WHICH PROMOTE GOOD GROWING CONDITIONS. AVOID DEEP SEEDING, LOOSE SEEDBEDS, AND SEEDING INTO COLD SOILS.

CAUTION

When applying BONITA HERBICIDE for weed control in Wheat, drought conditions during the fallow year after BONITA HERBICIDE application may result in higher than normal carry-over of BONITA HERBICIDE into the crop year. To reduce the possibility of Wheat damage under these circumstances, seed the Wheat at a higher seeding rate, seed shallow, and seed into a moist warm, and well-prepared seedbed.

BONITA HERBICIDE USE FOR FALL APPLICATION FOR CONTROL OF GREEN AND YELLOW FOXTAIL (WILD MILLET) IN WHEAT

BONITA HERBICIDE can be applied and mixed (incorporated) into the soil on summerfallow or stubble land between September 1st and freeze-up in order to control Green and Yellow Foxtail (Wild Millet) during the following crop year in Wheat. BONITA HERBICIDE will only control Foxtail as it germinates and will not control established Foxtail plants.

REGISTERED CROPS

All Spring Wheat varieties including Semi-Dwarf, Hard Red Spring and Durum Wheat.

WEEDS CONTROLLED

Green and Yellow Foxtail (Wild Millet).

TIME OF APPLICATION

BONITA HERBICIDE can be applied in the Fall between September 1 and soil freeze-up for Foxtail control the following year.

LAND PREPARATION

BONITA HERBICIDE can be applied to summerfallow or to stubble. The stubble may be standing or pre-worked, however very heavy trash soils should be pre-worked prior to BONITA HERBICIDE application in order to allow product penetration onto the soil surface. If green growth is heavy, destroy this growth before application of BONITA HERBICIDE. This growth can be removed either by cultivation or by chemical control methods. If the stubble has been burned, cultivate prior to BONITA HERBICIDE application.

METHOD OF APPLICATION

Apply BONITA HERBICIDE uniformly to the soil surface using a properly calibrated granular applicator. Incorporate BONITA HERBICIDE in the same direction as application and within 24 hours of application. Avoid over application.

DO NOT apply by air.

NOTE:

DO NOT APPLY BONITA HERBICIDE IN THE FALL (FOR FOXTAIL CONTROL THE FOLLOWING YEAR IN WHEAT) ON LAND THAT WAS TREATED WITH BONITA HERBICIDE, Treflan, OR Triflurex IN EITHER THE CURRENT YEAR OR THE PREVIOUS CROP YEAR.

INCORPORATION

Incorporate with cultivators or disc implements only. Deep tillage cultivators do not provide the best mixing action however may be needed for the first incorporation if trash conditions warrant it. Do not delay the first incorporation more than 24 hours after BONITA HERBICIDE application. Incorporate BONITA HERBICIDE at a working speed of 8-13 km/hr. The second incorporation must be delayed at least 5 days after the first and must be done at right angles to the first incorporation. The second incorporation may be done in the fall or in the spring prior to seeding the Wheat crop. Both incorporations must be to a depth of 5-8 cm. Subsequent workings must be no deeper than 8 cm.

Do not apply and incorporate BONITA HERBICIDE when the soil is in poor working condition (wet, lumpy, or cloddy).

Do not incorporate with rodweeders, harrows, or hoe drills.

RATE OF APPLICATION

ALL SOILS WITH 2-8 per cent ORGANIC MATTER
FALL APPLICATION
SEPTEMBER 1 - FREEZE UP
5.5 KG/HECTARE

NOTE:

DO NOT APPLY BONITA HERBICIDE IN THE FALL FOR FOXTAIL CONTROL IN WHEAT WHERE SOIL ORGANIC MATTER IS LESS THAN 2 per cent OR GREATER THAN 8 per cent.

SEEDBED PREPARATION

Ensure there is a well-prepared seedbed by providing a spring tillage operation using either a disc implement or field cultivator. (This operation may not be necessary in seeding with an air-seeder or discer.) Seed into a moist, warm and firm seedbed in order to promote quick germination. Ensure weed seedlings are destroyed and not transplanted during the spring operations. Seeding implements must be set to place the Wheat seed at a 3-6 cm depth. SHALLOW SEEDING IS ESPECIALLY IMPORTANT FOR SEMI-DWARF WHEAT VARIETIES. The seedbed should be firmly packed or harrowed after seeding to promote good germination.

NOTE:

TO AVOID WHEAT INJURY, USE GOOD QUALITY SEED AND FOLLOW SEEDING PRACTICES WHICH PROMOTE GOOD GROWING CONDITIONS - AVOID DEEP SEEDING, LOOSE SEEDBEDS, AND SEEDING INTO COLD SOILS.

CAUTION

APPLICATION OF BONITA HERBICIDE TO SEVERELY ERODED HILLS FOR WEED CONTROL IN WHEAT MAY RESULT IN REDUCED CROP STAND. ALL PRECAUTIONS AND DIRECTIONS FOR USE UNDER GENERAL INFORMATION ON THE FIRST PART OF THIS LABEL APPLY TO THE USE OF BONITA HERBICIDE IN WHEAT AS WELL AS OTHER CROPS.