

ZS BENTAZONE SL container label

ZS BENTAZONE SL

| | | |
|--------------|----------|------------------|
| GROUP | 6 | HERBICIDE |
|--------------|----------|------------------|

Solution

For selective post-emergence broadleaf weed control in soybeans, dry and snap common beans, peas, lima beans, fababeans, corn (grain, silage, sweet and seed), flax (including low linolenic acid varieties), peanuts, blueberries, turf, spring wheat (excluding durum), snow peas, seedling and established forage legumes and seedling forage grasses (seed production only for forage legumes and grasses), newly-planted fruit trees - apple, apricot, cherry, peach, pear and nectarine (directed use only).

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Bentazon (present as sodium salt) 480 g/L a.e.
REGISTRATION NO. 35254 PEST CONTROL PRODUCTS ACT
READ THE LABEL AND ATTACHED BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN



POISON

POTENTIAL SKIN SENSITIZER
Danger – Eye and Skin Irritant

NET CONTENTS: 1 L to 1000 L

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887

Zhongshan Chemical Canada Corp.
411 Mackay Street
Apartment # 811
Ottawa ON K1M 2K5
Tel. +16137472870

PRECAUTIONS

1. KEEP OUT OF REACH OF CHILDREN.
2. Do not take internally.
3. Harmful if swallowed.
4. Severely irritating to the eye. DO NOT get in eyes.
5. Causes skin irritation. DO NOT get on skin.
6. Avoid inhalation of vapour, dust or spray mist.
7. Avoid contact with eyes, skin or clothing. Potential skin sensitizer.
8. Wash thoroughly after handling and before eating, drinking or smoking.
9. Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit.
10. If clothing becomes contaminated, remove and wash separately from household laundry before re-use.
11. Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
12. For agricultural uses, **DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. For golf courses and sod farms, **DO NOT** allow worker entry into treated areas to conduct tasks involving contact with treated turf (including mowing) during the restricted-entry interval (REI) of 12 hours. For all other activities, **DO NOT** enter or allow entry until sprays have dried. **DO NOT** allow golfers to enter the treated areas until sprays have dried.
13. Clean spray equipment thoroughly after use. When tank mixing **ZS BENTAZONE SL** with **REFLEX LIQUID HERBICIDE** or **2, 4-D amine** or **ester**, refer to **REFLEX LIQUID HERBICIDE** or **2, 4-D amine** or **ester** label for sprayer cleanup.
13. **CAUTION:** Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

ENVIRONMENTAL PRECAUTIONS

TOXIC to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), or to estuarine/marine habitats.

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 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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. 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

1. Store in original tightly closed container.
2. Store this product away from food or feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.
5. Freezing will not harm **ZS BENTAZONE SL**. Should product freeze, warm to room temperature and shake well before using.

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/territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial 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.

ZS BENTAZONE SL

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GENERAL INFORMATION

ZS BENTAZONE SL is a liquid herbicide for selective post-emergence control of many broadleaf weeds, yellow nutsedge, cleavers, stork's bill and volunteer canola in soybeans, dry and snap common beans, peas, lima beans, fababeans, corn (grain, silage, sweet and seed), flax (including low linolenic acid varieties), peanuts, spring wheat (excluding durum), snow peas, seedling forages (alfalfa*, red clover**, alsike clover**, sainfoin**, bromegrass**, creeping red fescue**, meadow foxtail**, orchardgrass**, timothy and crested wheatgrass**), established forages (alfalfa*, red clover*, sainfoin* and sweet clover*) and newly-planted fruit trees - apple, apricot, cherry, peach, pear and nectarine. (Directed use only. Do not overspray.)

ZS BENTAZONE SL will also control yellow nutsedge in blueberries (directed spray only) and turf (sod farms and golf courses only).

* For seed production only.

** For seed production only in Western Canada.

ZS BENTAZONE SL does not control grasses.

ZS BENTAZONE SL is an herbicide with mainly contact action. Uptake into the plant occurs primarily through the leaves. Thorough coverage of foliage is important for consistent weed control. Failure to penetrate crop or weed leaf canopies with the spray will result in incomplete control of small weeds growing underneath.

Cool weather conditions or drought will delay herbicidal activity and if prolonged, may result in poor weed control. Use of **ZS BENTAZONE SL** in hot, humid weather may result in temporary leaf yellowing, leaf flecking, bronzing or burning. The crop usually outgrows this condition within 10 days (see Restrictions and Limitations).

ENVIRONMENTAL PRECAUTIONS

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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 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.

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5. Causes skin irritation. **DO NOT** get on skin.
6. Avoid inhalation of vapour, dust or spray mist.
7. Avoid contact with eyes, skin or clothing. Potential skin sensitizer.
8. Wash thoroughly after handling and before eating, drinking or smoking.
9. Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit.
10. If clothing becomes contaminated, remove and wash separately from household laundry before re-use.
11. Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
12. For agricultural uses, **DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. For golf courses and sod farms, **DO NOT** allow worker entry into treated areas to conduct tasks involving contact with treated turf (including mowing) during the restricted-entry interval (REI) of 12 hours. For all other activities, **DO NOT** enter or allow entry until sprays have dried. **DO NOT** allow golfers to enter the treated areas until sprays have dried.
13. Clean spray equipment thoroughly after use. When tank mixing **ZS BENTAZONE SL** with **REFLEX LIQUID HERBICIDE** or **2, 4-D amine** or **ester**, refer to **REFLEX LIQUID HERBICIDE** or **2, 4-D amine** or **ester** label for sprayer cleanup.
14. **CAUTION:** Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

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TOXICOLOGICAL INFORMATION

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STORAGE

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DISPOSAL

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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.

All other products mentioned are registered trademarks of their respective manufacturers.

DIRECTIONS FOR USE

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.

Timing of Application

Apply **ZS BENTAZONE SL** when broadleaf weeds are small and actively growing and before the weeds reach the maximum size recommended for treatment as listed in the **ZS BENTAZONE SL** Weed Control and Application Rate Table. **ZS BENTAZONE SL** should be applied when the main weed of concern is in the suggested growth stage for treatment.

Early treatment of weeds with **ZS BENTAZONE SL** is important to maximize crop yield potential through elimination of early weed competition and permits optimum coverage of the weeds, thereby increasing the performance of **ZS BENTAZONE SL**.

Although the timing of application should be primarily in relation to the stage of weed growth, the crop must be in a tolerant stage as shown below. The information on usual stage of crop for optimum weed control may also serve as a guide to spray timing.

Blueberries

Apply **ZS BENTAZONE SL** at the rate of 1.75 L/ha plus **ASSIST® Oil Concentrate** or **XA Oil Concentrate** not to exceed 2 L/ha when yellow nutsedge is 15-20 centimetres tall.

Use as a directed spray only. Do not overspray.

Apply by ground in sufficient water volume of 100-400 L of water per hectare at 140 kPa spray pressure. Repeat application in 7-10 days but do not apply **ZS BENTAZONE SL** more than two times per year.

ZS BENTAZONE SL may not be applied within 25 days of harvest.

Snow Peas

Apply **ZS BENTAZONE SL** at the rate of 1.75 L/ha plus **ASSIST Oil Concentrate** or **XA Oil Concentrate** at 1 to 2 L/ha once a year at or after 3-leaf stage of the crop.

Apply by ground in sufficient water volume of 300 L of water per hectare.

Do not apply **ZS BENTAZONE SL** within 30 days of harvest.

Turf

For optimum control in turf, treat when nutsedge is young and actively growing. An additional application may be necessary at an interval of 10 to 14 days. Do not apply more than two applications of **ZS BENTAZONE SL** per year. For best results, do not mow grass 3 to 5 days before or after application. Do not treat newly-seeded turf until seedlings are well established as injury may result.

ADDITIVES

Use **ASSIST® Oil Concentrate** or **XA™ Oil Concentrate** at the rate of 1.0 to 2.0 L/ha (depending on climatic conditions and the spray volume used) for improved control of broadleaf weeds and yellow nutsedge on all crops. Alternatively, **CITOWETT® PLUS** may be used on peas only at a rate of 2.5 L per 1000 L of spray solution. Refer to Spraying Instructions table on page 9.

Additives in Soybeans Only

Add 6 L/ha ammonium sulphate or 10 L /ha 28% urea ammonium nitrate (UAN) for improved and more consistent control of velvetleaf and lamb's-quarters in soybeans. The addition of either form of nitrogen

source to **ZS BENTAZONE SL** may cause slight leaf burn, but the new growth is normal and crop vigour is not reduced.

A high quality source of 28% UAN or ammonium sulphate should be used to avoid solids or contaminants that may interfere with spray application (clogging nozzle tips) or reduced product performance. Do not use brass or aluminum nozzles when spraying **ZS BENTAZONE SL** plus a nitrogen source.

Additive in Dry Beans (pinto, great northern, pink and small red)

The addition of ammonium sulphate at 1.5% v/v will result in more consistent weed control. The addition of ammonium sulphate may cause some leaf burn, but new growth is normal and yield is not reduced. The potential for leaf burn is increased when relative humidity and temperature are high. Use with **ASSIST Oil Concentrate** or **XA oil Concentrate**.

Do not apply **ZS BENTAZONE SL + ASSIST Oil Concentrate** or **XA Oil Concentrate** with the addition of either 28% **UREA AMMONIUM NITRATE** or **AMMONIUM SULPHATE** by air.

This product may be tank mixed with a fertilizer, a supplement, or 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 Zhongshan Chemical Canada Corp. at +16137472870 for information before applying any tank mix that is not specifically recommended on this label.

Do not use any additives not specifically registered under the *Pest Control Products Act* for use with **ZS BENTAZONE SL**.

TANK MIX COMBINATIONS

Dry Common Beans

ZS BENTAZONE SL can be tank mixed with **REFLEX® Liquid Herbicide** plus **ASSIST Oil Concentrate** or **XA Oil Concentrate** for suppression of redroot pigweed and control of lamb's-quarters, common ragweed and lady's thumb. For further details, refer to the **ZS BENTAZONE SL** Weed Control and Application Rate Table. Always refer to the **REFLEX Liquid Herbicide** label for precautions and use limitations.

ZS BENTAZONE SL and **REFLEX Liquid Herbicide** tank mix (ground application only) is registered in dry common beans only.

Dry Edible Beans in the Red River Valley of Manitoba

ZS BENTAZONE SL can be tank mixed with **REFLEX LIQUID HERBICIDE** for selective post-emergence broadleaf weed control in dry edible beans in the Red River Valley of Manitoba. See **REFLEX LIQUID HERBICIDE** label for weeds controlled in addition to those listed on the **ZS BENTAZONE SL** label.

Apply **ZS BENTAZONE SL** at the rate of 1.75 L/ha plus **REFLEX LIQUID HERBICIDE** at 0.58 L/ha plus **AGRAL® 90** at 0.10% v/v at 1 to 2 trifoliolate leaf stage of the crop and 3 to 4 leaf stage of the weeds.

Apply once a year, post-emergent and by ground only. Always refer to the **REFLEX LIQUID HERBICIDE** label for precautions and use limitations.

Do not apply this tank mix within 84 days of harvest.

Spring Wheat (excluding durum)

When tank mixed with **2,4-D amine** or **ester** formulation, **ZS BENTAZONE SL** will control lady's thumb, bluebur, burdock (< 4-leaf), cocklebur, common plantain, daisy fleabane, false flax, flixweed, goat's beard, lamb's-quarters, mustard (except dog and tansy), prickly lettuce, ragweed, redroot pigweed, Russian pigweed, Russian thistle, shepherd's purse, stinging nettle, stinkweed, sweet clover, volunteer canola, wild radish and wild sunflower.

All of the above-mentioned broadleaf weeds will be controlled if applied from the weed 2-4 leaf stage. For further details, refer to the **ZS BENTAZONE SL** Weed Control and Application Rate Table. Always refer to the **2, 4-D amine** or **ester** label for precautions and use limitations.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **ZS BENTAZONE SL** is a Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to **ZS BENTAZONE SL** and other Group 6 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 **ZS BENTAZONE SL** or other Group 6 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 Zhongshan Chemical Canada Corp. at +16137472870.

SPRAYING INSTRUCTIONS

Ground Application

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 S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

Use sprayers equipped with standard flat fan pesticide nozzles with the recommended spray volume, pressure and additives. Tilt spray nozzles 45 degrees forward to ensure better coverage.

| SPRAY VOLUME | SPRAY PRESSURE | ADDITIVES |
|---|---|---|
| Minimum 100 L/ha. Use larger water volumes (up to 400 L/ha) for weeds at the upper limit of their recommended stage of treatment. | Minimum 275 kPa. Use higher pressure (up to 425 kPa) for weeds at the upper limit of their recommended stage for treatment. | Use 1 litre of ASSIST Oil concentrate or XA Oil Concentrate per 100 litres of water with a maximum application rate of 2 L/ha. Under hot, humid conditions, restrict ASSIST Oil Concentrate or XA Oil Concentrate rate to 1 L/ha. Alternatively, CITOWETT PLUS may be used on peas only at a rate of 2.5 L per 1000 L of spray solution. |

TIMING OF APPLICATION RATE TABLE

| CROP | TOLERANT STAGE | USUAL STAGE OF CROP FOR OPTIMUM WEED CONTROL |
|----------|------------------------------|---|
| Soybeans | Tolerant at any growth stage | Unifoliate to two expanded trifoliate leaves, usually 18-20 |

| | | days after planting |
|--|---|-----------------------------------|
| Lima beans, dry common beans ¹ (<i>Phaseolus vulgaris</i> only - including but not limited to: white, kidney, black, pinto, great northern, pink, small red, cranberry and otebo) and most snap common beans including snap beans | Tolerant after 1st trifoliolate leaf has fully expanded | 1 to 3 trifoliolate leaves |
| Corn (grain, silage, sweet, seed) | Tolerant at any growth stage | 1 to 5-leaf stage |
| Peas (field and processing) | Tolerant after 3 pairs of leaves (or 3 nodes) are present | Soon after 3 pairs of leaves form |
| Fababeans | Tolerant after 2 to 3-leaf stage or crop is 10 cm high | Soon after 3-leaf stage |

| | | |
|--|--|---|
| Peanuts | Tolerant at any growth stage | Unifoliolate to two expanded trifoliolate leaves |
| Flax (including low linolenic acid varieties) | Tolerant when crop is 5 cm or higher | Soon after crop reaches 5 cm |
| Spring wheat (excluding durum) | Tolerant at any growth stage | 2 to 4 leaves |
| Turf (sod farms and golf courses) for yellow nutsedge control only | Tolerant on established turf | When turf is actively growing in late spring and early summer |
| Blueberries for yellow nutsedge control only | Tolerant as a directed spray only. Do not overspray. | |
| Snow peas | | Soon after 3-leaf stage |
| Newly-planted fruit trees (apple, apricot, cherry, peach, pear, and nectarine) | Tolerant as a directed spray only. Do not overspray. | |

¹ Dry common bean varieties may vary in their tolerance to herbicides, including ZS BENTAZONE SL. Since not all dry common bean varieties have been tested for tolerance to ZS BENTAZONE SL, first use of ZS BENTAZONE SL should be limited to a small area of each variety to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of dry common beans to ZS BENTAZONE SL.

TIMING OF APPLICATION RATE TABLE (Continued)

| CROP | TOLERANT STAGE | USUAL STAGE OF CROP FOR OPTIMUM WEED CONTROL |
|---|---|--|
| Seed Production¹ for annual broadleaf weed control | | |
| Forage Grasses (Seedling) Bromegrass Creeping Red Fescue Meadow Foxtail Orchardgrass Timothy Crested Wheatgrass | Tolerant at 1-7-leaf growth stage ² | 2 - 5-leaf of seedling forage grasses |
| Forage Legumes (Seedling) Alfalfa Red Clover Alsike Clover Sainfoin | Tolerant after third trifoliolate stage ² | 3 - 5 trifoliolate. Approximately 4-6 weeks after planting. |
| Forage Legumes (Established) Alfalfa ³ | Tolerant before crop canopy closes, prior to flowering ² | |
| Forage Legumes (Established) ² Red clover Sainfoin Sweet clover | Tolerant between 7.5 and 25 cm high ² | After crop is 7.5 cm and before crop canopy closes. |

1 All crops listed for seed production are Western Canada only with the exception of alfalfa, and established sainfoin, sweet clover and red clover.

2 For seed production, only one application of **ZS BENTAZONE SL** per season is recommended. Crop injury may occur under hot, humid conditions. Speed of recovery will be influenced by growing conditions and weed control. (**SEE RESTRICTIONS AND LIMITATIONS SECTION**)

3 Some leaf scorch may appear but the effect is transient and will outgrow within 3-4 weeks.

ZS BENTAZONE SL WEED CONTROL AND APPLICATION RATE TABLE

| WEED SPECIES | RECOMMENDED TREATMENT HEIGHT (CM) FOR WEEDS | TOO LATE FOR BEST RESULTS | |
|--|---|------------------------------------|------------|
| | | HEIGHT (CM) | LEAF STAGE |
| ZS BENTAZONE SL at 2.25 L/ha + ASSIST Oil Concentrate or XA Oil Concentrate at 1-2 L/ha | | | |
| Bird rape* | 5.0-10.0 | over 10 | 6-leaf |
| Buttercup | 5.0-10.0 | over 10 | |
| Cleavers | 4.0-8.0 | over 8 | 1-3 whorl |
| Cocklebur | 17.50-30.0 | over 30 | 10-leaf |
| Common chickweed | 1-3 weeks after emergence | Later than 3 weeks after emergence | |
| Common groundsel* | 5.0-10.0 | over 10 | |
| Common ragweed* | 2.5-5.0 | over 5 | 6-leaf |
| Corn spurry | 2.5-10.0 | over 10 | |
| Flower-of-an hour | 5.0-10.0 | over 10 | |
| Giant ragweed | 5.0-15.0 | over 15 | 4-leaf |
| Hairy galinsoga | 5.0-7.5 | over 7.5 | |
| Hairy nightshade | 0.5-2.0 | over 2 | 6-leaf |
| Jimsonweed | 5.0-15.0 | over 15 | 10-leaf |
| Lady's-thumb (smartweed) | 7.5-20.0 | over 20 | 10-leaf |
| Lamb's-quarters* | 1.25-2.5 | over 2.5 | 8-leaf |
| Low cudweed | 2.5-5.0 | over 5 | 6-leaf |
| Purslane | 2.5-5.0 | over 5 | 6-leaf |
| Redroot pigweed* (suppression only) | 1.25-3.75 | over 3.75 | 4-leaf |
| Russian thistle | 2.5-7.5 | over 7.5 | |
| Shepherd's-purse | 10.0-25.0 | over 25 | 6-leaf |
| Stinkweed | 5.0-15.0 | over 15 | 6-leaf |
| Stork's bill | 4.0-10.0 | over 10 | 2-6 leaf |
| Velvetleaf** | 10.0-15.0 | over 15 | 6-leaf |
| Volunteer canola | 2.0-15.0 | over 15 | 8-leaf |
| Wild mustard | 12.5-25.0 | over 25 | 10-leaf |
| Wild radish | 2.0-5.0 | over 5 | 6-leaf |
| ZS BENTAZONE SL at 1.75 L/ha + ASSIST Oil Concentrate or XA Oil Concentrate at 1-2 L/ha | | | |
| Bird rape* | 2.5-5.0 | over 5 | 8-leaf |
| Cocklebur | 7.5-17.5 | over 17.5 | 8-leaf |
| Flower-of-an-hour | 2.5-5.0 | over 5 | 8-leaf |
| Lady's-thumb (smartweed) | 2.5-7.5 | over 7.5 | 8-leaf |
| Shepherd's-purse | Rosette - 10.0 | over 10 | 8-leaf |
| Stinkweed | Rosette - 5.0 | over 5 | 8-leaf |
| Velvetleaf** | 5.0-10.0 | over 10 | 8-leaf |
| Volunteer canola | 2.0-15.0 | over 15 | 8-leaf |
| Wild Mustard | 2.5-12.5 | over 12.5 | 8-leaf |

ZS BENTAZONE SL WEED CONTROL AND APPLICATION RATE TABLE (Continued)

| WEED SPECIES | RECOMMENDED TREATMENT HEIGHT (CM) FOR WEEDS | TOO LATE FOR BEST RESULTS | |
|--------------|---|---------------------------|------------|
| | | HEIGHT (CM) | LEAF STAGE |

| | | | |
|---|---------------------------------------|-----------|--------|
| DRY COMMON BEANS ONLY: | | | |
| ZS BENTAZONE SL at 1.75 L/ha + REFLEX LIQUID HERBICIDE at 0.58 L/ha + ASSIST Oil Concentrate or XA Oil Concentrate at 2 L/ha | | | |
| Controls all the above listed weed species with the following improvements: | | | |
| ++Common ragweed* | 1.25 - 5.0 | over 5 | 6-leaf |
| ++Lamb's-quarters* | 1.25 – 2.5 | over 2.5 | 8-leaf |
| ++Redroot Pigweed* (suppression only) | 1.25 – 3.75 | over 3.75 | 4-leaf |
| PERENNIAL WEEDS: | | | |
| ZS BENTAZONE SL at 1.75 L/ha + ASSIST Oil Concentrate or XA Oil Concentrate at 1-2 L/ha | | | |
| Repeat application 7 to 15 days after 1st application (if necessary): | | | |
| Canada thistle | 15 - 20 | Over 20 | |
| Field bindweed*** (suppression only) | 2.5-6 | over 6 | |
| Yellow nutsedge | 15 - 20 | over 20 | |
| SPRING WHEAT (excluding durum): | | | |
| ZS BENTAZONE SL at 1.0 L/ha + 2,4-D amine or ester (470 g/L) at 0.75-1.0 L/ha | | | |
| WEEDS | RECOMMENDED APPLICATION TIMING | | |
| Lady's-thumb | 2 - 4 leaf | | |
| Bluebur | 2 - 4 leaf | | |
| Burdock | <4 leaf | | |
| Cocklebur | 2 - 4 leaf | | |
| Common plantain | 2 - 4 leaf | | |
| Daisy fleabane | 2 - 4 leaf | | |
| False flax | 2 - 4 leaf | | |
| Flixweed | 2 - 4 leaf | | |
| Goat's beard | 2 - 4 leaf | | |
| Lamb's-quarters | 2 - 4 leaf | | |
| Mustard (except dog and tansy) | 2 - 4 leaf | | |
| Prickly lettuce | 2 - 4 leaf | | |
| Ragweed | 2 - 4 leaf | | |
| Redroot pigweed | 2 - 4 leaf | | |
| Russian pigweed | 2 - 4 leaf | | |
| Russian thistle | 2 - 4 leaf | | |
| Shepherd's purse | 2 - 4 leaf | | |
| Stinging nettle | 2 - 4 leaf | | |
| Stinkweed | 2 - 4 leaf | | |
| Sweet clover | 2 - 4 leaf | | |
| Volunteer canola | 2 - 4 leaf | | |
| Wild radish | 2 - 4 leaf | | |
| Wild sunflower | 2 - 4 leaf | | |

++Second flushes of these weeds will not be controlled.

* Triazine resistant strains of these weeds are controlled by **ZS BENTAZONE SL**.

** **ZS BENTAZONE SL** will defoliate velvetleaf 15 cm or taller, but regrowth may occur.

*** Treat field bindweed before it is dark green and has begun to trail.

ZS BENTAZONE SL BANDING TECHNIQUES

1. Spray a minimum of 25 cm wide band.
2. Minimize the amount of dust striking target weeds to ensure adequate coverage and penetration.

3. Do not use cultivation equipment when spraying.
4. Adjust the **ZS BENTAZONE SL** rate to proportion of the total area to be sprayed.

AIRCRAFT APPLICATIONS

DO NOT APPLY **ZS BENTAZONE SL** BY AIR TO: Corn, peas, fababeans, peanuts, flax, blueberries, snow peas, turf, newly-planted fruit trees, spring wheat, forage grasses and forage legumes.

Aerial applications are allowed on soybeans, dry and snap common beans only.

Apply **ZS BENTAZONE SL** when weeds are in the early stages of growth recommended for treatment. Crop canopy should not be so dense as to prevent spray from thoroughly covering weeds. Use spray volumes, pressure and additives as recommended below:

| SPRAY VOLUME | SPRAY PRESSURE | ADDITIVES |
|---------------------|-----------------------|--|
| 50 to 100 L/ha | Minimum 275 kPa | 0.125 to 0.25 L |
| | | ASSIST Oil Concentrate or XA Oil Concentrate per hectare |

Do not use **ASSIST Oil Concentrate** or **XA Oil Concentrate** in excess of 0.25 L/ha as substantial crop injury could occur.

Treat when wind is less than 8 kilometres per hour. Do not apply when weather conditions may cause spray drift from target areas to adjacent crops.

Aerial Application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply when wind speed is greater than 8 km/h at flying height at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial

Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non- target areas. Specific buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in finer particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, and shoes chemical-resistant footwear and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at +16137472870 or obtain technical advice from the distributor or your provincial or territorial agricultural representative. Application of this specific product must meet and/or conform to the following:
Volume: Apply the recommended rate in a minimum spray volume of 50 litres per hectare.

SPRAY DRIFT MANAGEMENT FOR GROUND AND AERIAL APPLICATION

Spray Buffer Zones

A spray buffer zone is NOT required for:

- uses with hand-held or backpack application equipment permitted on this label ,
- interrow hooded sprayers that prevent spray contact with crop, fruit or foliage 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).

| Method of application | Crop | Spray buffer zone (metres) required for the protection of: |
|------------------------------|-------------|---|
|------------------------------|-------------|---|

| | | Terrestrial Habitat |
|---------------|--|---------------------------|
| Field sprayer | Snow peas, peas (field and processing), seedling forage grasses/legumes and established forage legumes (for seed production) | 1 |
| | Turf, soybeans, corn, peanuts, beans (snap, lima, faba), dry beans, flax, newly planted fruit trees, blueberries, spring wheat | 2 |
| Aerial | | |
| | Dry common beans, soybeans, snap beans | Fixed wing Rotary wing |

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.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

MIXING

1. Clean spray tank and fill half full with clean water. Start agitation or by-pass system.
2. If required add correct amount of nitrogen source. **Note: Do not add nitrogen source when tank mixing ZS BENTAZONE SL with 2, 4-D amine or ester and ASSIST Oil Concentrate or XA Oil Concentrate.**
3. If required, add the correct amount of **REFLEX LIQUID HERBICIDE** (for use on dry common beans only) or **2, 4-D amine or ester** (for use on spring wheat [excluding durum]). Continuous agitation is required to keep **REFLEX LIQUID HERBICIDE** or **2, 4-D amine or ester** in suspension.
4. Add correct amount of **ZS BENTAZONE SL** and agitate 2 to 3 minutes.
5. Add correct amount of **ASSIST Oil Concentrate** or **XA Oil Concentrate** or **CITOWETT PLUS** and agitate 2 to 3 minutes. When tank mixing **ZS BENTAZONE SL** with **2, 4- D amine or ester**, only **ASSIST Oil Concentrate** or **XA Oil Concentrate** may be used.
6. Add remainder of water, agitate and spray.
7. If an oil film starts to build up in the tank, drain and clean tank with a strong detergent solution.

RESTRICTIONS AND LIMITATIONS

Do not treat any crops not listed on this label.

Do not add nitrogen source when tank mixing **ZS BENTAZONE SL** with **REFLEX LIQUID HERBICIDE** or **2,4-D amine or ester** and **ASSIST Oil Concentrate** or **XA Oil Concentrate**.

Do not allow livestock to graze on **ZS BENTAZONE SL** treated turf.

Do not apply **ZS BENTAZONE SL** to any crops that have been subjected to stress from conditions such as hail damage, flooding, hot, humid weather, drought, widely fluctuating temperature conditions, prolonged cold weather or injury from prior herbicide applications, as crop injury may result.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Do not apply **ZS BENTAZONE SL** to newly-seeded turf until seedlings are well established.

Rainfall within 6 to 8 hours of application may reduce effectiveness of spray.

When **ZS BENTAZONE SL** is applied beyond recommended weed growth stages, limited to unsatisfactory weed control will result.

Cool weather conditions or drought will delay herbicide activity and if prolonged, may result in poor weed control.

ZS BENTAZONE SL and **REFLEX LIQUID HERBICIDE** tank mix (ground application only) is registered in dry common beans only.

ZS BENTAZONE SL and **2, 4-D amine** or **ester** tank mix is registered for use in spring wheat (excluding durum) only. **Do not apply this tank mix by air.** A fifty (50) day pre-harvest interval is required after application, before harvesting the treated crop.

Do not apply **ZS BENTAZONE SL** within 36 days of harvest of red clover grown for seed production.

WARNING

Do not apply **ZS BENTAZONE SL** when weather conditions may cause spray drift from treated areas to adjacent crops.

Lentils, adzuki and mung beans, cucumbers, sugar beets and sunflowers can be injured by **ZS BENTAZONE SL**.