

(WSP)

Fieldstar™ WDG

WSP Herbicide

AGRICULTURAL

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: flumetsulam	18.5%
cloprialid	50.0%
(present as potassium salt)	

Soluble granules

Warning: contains the allergen sulfites

REGISTRATION NO. 27146 PEST CONTROL PRODUCTS ACT

WARNING - EYE IRRITANT

Net Contents: 340 g

®™Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Individual soluble packets cannot be sold separately.

(Foil Overpack)



Fieldstar™ WDG

WSP Herbicide

GROUP	2	4	HERBICIDES
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FOR SALE FOR USE IN EASTERN CANADA ONLY.

A selective herbicide for broadleaved weed control in hybrid field corn.

One water-soluble packet will treat 1.26 hectares.

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READ THE LABEL AND ATTACHED BOOKLET BEFORE USING
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REGISTRATION NO. 27146 PEST CONTROL PRODUCTS ACT

WARNING - EYE IRRITANT

DO NOT SELL THE WATER-SOLUBLE PACKETS INDIVIDUALLY

NET CONTENTS: 1.70 kg (5 x 340 g water-soluble packets)

Dow AgroSciences Canada Inc.

24th Floor, 215 - 2nd Street S.W.

Calgary, Alberta

T2P 1M4

1-800-667-3852

®™Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

DO NOT APPLY BY AIR

WARNING - EYE IRRITANT

Causes eye irritation. Do not get in eyes.

Do not enter or allow worker entry into treated areas during the Restricted-Entry Interval (REI) of 12 hours.

Apply only when the potential for spray 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.

Workers must wear long pants, a long-sleeved shirt, shoes plus socks and chemical-resistant gloves. Goggles or a face shield are required during mixing and loading. Gloves are not required to be worn during groundboom applications but are required for mixing/loading, clean-up and repair.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment. If no such instructions for washables, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry.

OPERATOR USE PRECAUTIONS

When handling this product, users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the washroom.
- If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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. 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.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL HAZARDS

- TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- 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 this product when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body. The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.
- Do not contaminate water when disposing of equipment washwaters.
- Do not contaminate water used for domestic purposes.

STORAGE

Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Keep away from food or feed. Do not store at temperatures above 50°C for extended periods of time. If a water-soluble packet is damaged and a spill occurs, either use the clean product immediately or sweep-up the spilled granules and dispose of as waste.

Water-soluble Packaging: Packets may become brittle when stored below 0°C. Handle packets carefully when frozen to avoid breakage or allow package to warm above 0°C before handling.

DISPOSAL

1. When all water-soluble packets are used, dispose of empty foil over-packs in a sanitary landfill.
2. 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. The user assumes the risk to persons or property that arises from any such use of this product.

(Booklet)



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Workers must wear long pants, a long-sleeved shirt, shoes plus socks and chemical-resistant gloves. Goggles or a face shield are required during mixing and loading. Gloves are not required to be worn during groundboom applications but are required for mixing/loading, clean-up and repair.

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No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL HAZARDS

- TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- 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 this product when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body. The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.
- Do not contaminate water when disposing of equipment washwaters.
- Do not contaminate water used for domestic purposes.

STORAGE

Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Keep away from food or feed. Do not store at temperatures above 50°C for extended periods of time. If a water-soluble packet is damaged and a spill occurs, either use the clean product immediately or sweep-up the spilled granules and dispose of as waste.

Water-soluble Packaging: Packets may become brittle when stored below 0°C. Handle packets carefully when frozen to avoid breakage or allow package to warm above 0°C before handling.

DISPOSAL

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2. 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.

GENERAL INFORMATION

Fieldstar WDG WSP Herbicide is a selective herbicide for the control of certain annual broadleaved weeds in field corn. Fieldstar WDG WSP Herbicide may be applied surface preplant, preplant incorporated, preemergence or postemergence in field corn. Absorption of Fieldstar WDG WSP Herbicide occurs through both foliage and root uptake. Susceptible weeds exposed to Fieldstar WDG WSP Herbicide stop growing and either die or remain non-competitive with the crop. Because uptake and translocation of Fieldstar WDG WSP Herbicide involves uptake by both roots and/or foliage, adequate soil moisture is necessary for optimal activity.

DIRECTIONS FOR USE

GENERAL USE PRECAUTIONS

FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING.

- Do not use in greenhouses.
- 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.
- 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 habitat by cleaning of equipment or disposal of wastes.
- 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.

- Soil Insecticides: Organophosphate granular insecticides must not be used on a crop to be treated with Fieldstar WDG WSP Herbicide. Serious crop injury may occur.
- Do not apply when weather conditions favour drift to non-target sites. To minimize spray drift to non-target areas:
 - Do not use nozzles that produce a fine spray droplet.
 - Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
 - Keep ground-driven spray boom as low as possible above the target surface.
 - Spray when conditions are calm. Avoid application of this product when winds are gusty.
- Adequate soil moisture is required for optimum herbicide activity of Fieldstar WDG WSP Herbicide. Surface preplant, preemergence or postemergence applications of Fieldstar WDG WSP Herbicide require an activating rainfall which moistens the soil to a depth of at least 5 cm.
- Do not apply when air temperature is near freezing or when freezing conditions are expected for several days following time of application.
- Extended cold, wet conditions (soil temperatures below 10°C for extended periods) or abnormally high soil moisture conditions during emergence and early crop development can cause Fieldstar WDG WSP Herbicide injury symptoms on corn such as temporary yellowing of the leaves and/or crop stunting. Corn will quickly outgrow these symptoms once normal growing conditions resume.
- Over-application may result in crop injury or rotational crop damage from soil residues.
- Conditions such as seedling disease, cold weather, excessive moisture, compacted soils (such as along headlands) or eroded knolls or hillsides may increase the possibility of crop injury from Fieldstar WDG WSP Herbicide.
- Make only 1 application per year.
- Do not apply Fieldstar WDG WSP Herbicide to sweet corn, seed corn or popcorn.
- Recommended corn planting depth is at least 4 cm for fields treated with Fieldstar WDG WSP Herbicide.
- Do not apply to areas where the soil pH is less than 5.9 or greater than 7.8.
- Do not apply to areas where the soil organic matter is less than 2.0%.
- Do not apply to peat or muck soils or where the soil organic matter is greater than 5%.
- Crop residues from treated areas cannot be used for composting or mulching on ground where susceptible crops may be grown the following season. To promote herbicide decomposition plant material should be evenly incorporated into the soil. Adequate moisture is also required to promote breakdown of plant residues which contain clopyralid.
- Do not repeat application of Fieldstar WDG WSP Herbicide to the same field in the following season as there is a potential for residue build-up.

Sprayer Clean-Out Instructions

To avoid injury to desirable plants, thoroughly clean equipment used to apply this product before re-use or using it to apply other chemicals.

1. Immediately after spraying, completely drain the sprayer tank. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. First rinse:
 - Spray the inside of tank with clean water and fill the sprayer with at least one tenth of the spray tank volume.
 - Agitate and circulate for 15 minutes, and flush through booms and hoses.
 - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - Drain tank completely.
3. Second rinse:
 - Fill the tank with clean water.
 - Add All Clear Spray Tank Decontaminator as per manufacturer's recommendations while filling the tank with clean water.

- Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full. Allow to stand for 15 minutes with agitation. Flush the solution out of the spray tank through the spray booms. Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - If possible, let the solution stand in the sprayer tank and booms for an extended period of time, overnight if possible.
 - After flushing the boom and hoses, drain tank completely.
 - Remove nozzles and screens and clean separately with a cleaning agent or an ammonia solution (100 mL in 10 L water).
4. Third rinse:
- Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume.
 - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - Drain tank completely.

ROTATIONAL CROP RESTRICTIONS

When tank mixing with other herbicides, follow the most restrictive crop rotation guidelines on the label of each product used. The table below outlines the interval required between the application of Fieldstar WDG WSP Herbicide and the seeding of rotational crops.

Crop	Crop Rotation Interval (months)
winter wheat	4
spring wheat, spring barley, oats, soybeans, field corn, seed corn	10

In extremely dry conditions (less than 38 cm rainfall in the 10 months following application of Fieldstar WDG WSP Herbicide) the rotation interval for soybeans should be extended to 22 months.

A field bioassay should be conducted before planting other crops not listed above. A successful field bioassay means growing to maturity a test strip of the crop(s) intended for production the following year.

Field Bioassay

Using typical tillage, seeding practices and timings for the particular crop, plant several strips of the desired crop across the field previously treated with Fieldstar WDG WSP Herbicide. Plant the strips perpendicular to the direction Fieldstar WDG WSP Herbicide was applied. The strips should also be located so that different field conditions are encountered, including soil texture, drainage and compacted areas. If the crop does not show visible symptoms of injury or stand reduction, the field can be seeded with the test crop in the growing season following the bioassay. If visible injury or stand reduction occurs, the test crop should not be seeded and the bioassay must be repeated the next growing season.

PREHARVEST/GRAZING INTERVALS

Do not graze the treated corn crop prior to harvest for silage; sufficient data are not available to support this use. The pre-harvest interval for hybrid field corn is 90 days.

DIRECTIONS FOR USE - Fieldstar WDG WSP Herbicide Applied Alone

Fieldstar WDG WSP Herbicide is for use on hybrid field corn in Eastern Canada only.

Broadleaved Weeds Controlled

- Canada fleabane[†]
- cocklebur^{†††}
- common chickweed^{††††}
- common lamb's-quarters^{††}

common ragweed
Eastern black nightshade
lady's-thumb^{†††}
redroot pigweed^{††}
velvetleaf
wild mustard
wormseed mustard

[†]surface preplant only

^{††}includes triazine tolerant biotypes

^{†††}surface preplant and preemergence applications only

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^{†††††}surface preplant, and preemergence applications only

Surface Preplant Application

For no-tillage systems, Fieldstar WDG WSP Herbicide alone or in a tank-mix (see tank-mix table) may be applied up to 15 days before planting. To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting or weed control will be diminished. Annual broadleaved weeds beyond the 2 leaf stage of growth will not be controlled by surface preplant applications.

Preplant Incorporated Application

Apply Fieldstar WDG WSP Herbicide alone or in a tank-mix (see tank-mix table) up to 15 days before planting. Incorporate Fieldstar WDG WSP Herbicide in a uniform manner with equipment set to work at a depth of 5 to 8 cm. Use a C or S shank field cultivator equipped with a leveling device such as harrows or rolling basket attachment. The cultivator must have a minimum of 4 rows of sweeps spaced at 18 cm or less intervals and staggered so that no soil is left unturned. Tandem discs may also be used providing the blades are less than 50 cm in diameter and spaced 18 cm or less apart. Equipment design including any drag attachments must be adequate to avoid soil ridging which may result in streaked or reduced weed control. Operate disc implements at 6 to 10 km/hr and cultivators at 10 to 13 km/hr.

Preemergence Application

Preemergence applications may be made in conventional tillage as well as reduced tillage, ridge tillage and no-till systems. Apply Fieldstar WDG WSP Herbicide alone or in a tank-mix (see tank-mix table) during (behind the planter) or after planting, but prior to crop or weed emergence. Adequate soil moisture is required for optimum herbicidal activity. Rainfall is necessary to move Fieldstar WDG WSP Herbicide into the weed germination zone. Sufficient rainfall to moisten the soil to a depth of 5 cm is generally adequate. If adequate rainfall is not received within 7 to 10 days after a surface application, a shallow cultivation or use of a rotary hoe is recommended to control established weeds and move the herbicide into the weed germination zone. When adequate rainfall is received following dry conditions, activity on established weeds will depend on the weed species and the location of its root system in the soil.

Postemergence Application

Apply Fieldstar WDG WSP alone or in a tank-mix (see tank-mix table) as a broadcast application when corn is at the spike to 8 leaf stage of growth (V8). Apply when broadleaved weeds are at the cotyledon to 2 leaf stage of growth. Application to larger weeds will result in reduced weed control. Adequate soil moisture is required for optimum herbicidal activity. Sufficient rainfall to moisten the soil to a depth of 5 cm is generally adequate. If adequate rainfall is not received within 7 to 10 days after a surface application, a shallow cultivation or use of a rotary hoe is recommended to control established weeds and move the herbicide into the weed germination zone. When adequate rainfall is received following dry conditions, activity on established weeds will depend on the weed species and the location of its root system in the soil.

Do not apply Fieldstar WDG WSP in liquid fertilizer solutions for early postemergence applications. Serious crop injury may occur.

RATES OF APPLICATION

Fieldstar WDG WSP Herbicide Applied Alone

Fieldstar WDG WSP Herbicide may be applied alone for broadleaved weed control only as a surface preplant, preemergence, preplant incorporated, or postemergent application.

Component	Amount
Fieldstar WDG WSP Herbicide	270 g/ha (1 water-soluble packet per 1.26 ha)

MIXING AND APPLICATION

Handling Precautions for Water-Soluble Packets

Do not remove water-soluble packets from foil over-pack except for immediate use. Do not allow water-soluble packets to come into contact with water prior to use. Do not handle water-soluble packets with wet hands or wet gloves. Carefully reseal the foil over-pack containing unused water-soluble packets and protect package from moisture. Do not open the water-soluble packets.

Fieldstar WDG WSP Herbicide is packaged in 340 g water-soluble packets. Each water-soluble packet will treat 1.26 ha. The number of water-soluble packets required to treat a field may be calculated as follows: size of field in hectares/1.26 = number of water-soluble packets required.

Thorough mixing is required. To ensure a uniform spray mixture, continuous agitation is required during mixing and spraying. Apply spray mixture within 24 hours after mixing. If the product is allowed to settle, thoroughly agitate to resuspend the mixture before spraying.

Spray Preparation

Fieldstar WDG WSP Herbicide is a water dispersible granule formulation. Vigorous, continuous agitation during mixing, filling and throughout application is required for all tank-mixes. Sparger pipe agitators generally provide the most effective agitation in spray tanks. To prevent foaming in the spray tank avoid stirring or splashing air into the spray mixture. To prevent foaming during filling keep end of fill pipe below the surface of the liquid in the spray tank. The addition of an anti-foaming agent such as Halt™ may also reduce foaming.

The following method is recommended:

1. Fill the spray tank with 1/4 to 1/3 of the total amount of water or liquid fertilizer solution (28-0-0 or 32-0-0) required for the load.
2. Start the agitation system.
3. Open the foil over-pack and add the required number of water-soluble packets (product in transparent film) directly into the spray tank while agitating. Do not open water-soluble packets. Water-soluble packets will float on the surface until the water-soluble film dissolves and releases the product. Handling packets with hands should be minimized. For applications in liquid fertilizer, add a slurry of Fieldstar WDG WSP Herbicide into the spray tank through a 20 to 35 mesh screen. **(See Premixing Fieldstar WDG WSP Herbicide For Use With Liquid Fertilizer Solution (28-0-0, 32-0-0) section below).**
4. Continue agitation until water-soluble packets are completely dissolved and product is completely dispersed.
5. Add tank-mix partner (if applicable) and allow to completely mix while continuing agitation.
6. Add non-ionic surfactant (if applicable).
7. Complete filling spray tank while continuing agitation system.
8. Before spraying, make sure the water-soluble packets have completely dissolved and product is thoroughly mixed with water. Depending on the water temperature and the degree of agitation, the water-soluble packet and Fieldstar WDG WSP Herbicide should be completely dispersed within 5 minutes from the time they are added to the water.

If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be resuspended before spraying is resumed. A sparger agitator is particularly useful for this purpose. Settled material may be more difficult to resuspend than when

originally mixed. Line screens in the spray tank should be no finer than 50 mesh (100 mesh is finer than 50 mesh).

Premixing Fieldstar WDG WSP Herbicide For Use With Liquid Fertilizer Solution (28-0-0, 32-0-0)

The following premixing instructions must be followed when Fieldstar WDG WSP Herbicide is used in liquid fertilizer. The film used in water-soluble packaging for Fieldstar WDG WSP Herbicide is not soluble in liquid fertilizer solutions.

1. Water-soluble packets containing Fieldstar WDG WSP Herbicide should be premixed with water to form a slurry. For best results, a minimum of 0.5 L of water should be used to slurry each water-soluble packet of Fieldstar WDG WSP Herbicide. The packets can be stirred immediately on addition to water or allowed to dissolve. Stir until the packets are completely dissolved and granules are dispersed.
2. Add the slurry to the spray tank through a 20 to 35 mesh screen as described in step 3 in Spray Preparation instructions above. Rinse the slurry container into the spray tank.

Spray Application

Apply Fieldstar WDG WSP Herbicide in sufficient spray volume to provide uniform coverage using properly calibrated ground equipment. A total spray volume of 100 to 400 L/ha using low pressure (135 to 270 kPa) application is recommended. Maintain sufficient agitation in the sprayer tank during mixing and spraying to ensure a uniform spray mixture.

FIELDSTAR WDG WSP HERBICIDE TANK-MIXTURES

Fieldstar WDG WSP Herbicide may be tank mixed with other herbicides to control a broader spectrum of weeds. Refer to the following table for timing of application, weeds controlled and product rates. Refer to individual product labels for specific weeds controlled.

Follow all relevant use directions including precautions, restrictions and limitations on all tank-mix partner labels.

Tank-Mixtures with Fieldstar WDG WSP Herbicide

Application Timing	Fieldstar WDG WSP Herbicide Rate (g/ha)	Tank-Mix Partner and Rate per hectare	Weeds Controlled
Preplant Surface	270 g/ha (1 water-soluble packet per 1.26 ha)	1.25-1.75 L/ha Dual II Magnum or 3.3 L/ha Primextra II Magnum	annual grasses, and annual broad-leaved weeds, including triazine resistant broad-leaved weeds
Preplant Incorporated	270 g/ha	1.25-1.75 L/ha Dual II Magnum or 3.3 L/ha Primextra II Magnum	annual broad-leaved weeds (including triazine resistant broad-leaved weeds), annual grasses, yellow nutsedge
Preemergence	270 g/ha	1.25-1.75 L/ha Dual II Magnum or 3.3 L/ha Primextra II Magnum or 3.7 L/ha Prowl H20 or 756-860 mL/ha Frontier MAX	annual grasses, and annual broad-leaved weeds, including triazine resistant broad-leaved weeds

Postemergence	270 g/ha	Glyphosate [†] at 270 - 1260 g ae/ha, equivalent to: 0.54 – 2.52 L/ha (500 g ae/L) or 0.56 – 2.63 L/ha (480 g ae/L) or 0.60 – 2.80 L/ha (450 g ae/L) or 0.75 – 3.50 L/ha (360 g ae/L) Such as: VP480 at 0.56 – 2.63 L/ha	emerged annual and perennial weeds
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†Use Glyphosate only on glyphosate tolerant corn. Present as isopropylamine salt, diammonium salt, trimethylsulfonium salt, potassium salt or dimethylamine salt. The product application rate is dependent upon the guarantee of the product. Refer to glyphosate product label for further information on weeds controlled, directions for use, restrictions and precautionary label statements.

BUFFER ZONES

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

The 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, wood lots, hedgerows, riparian areas and shrublands), and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of Application	Crop	Buffer Zones (Metres) Required for the Protection of: Freshwater Habitat of Depths: Less than 1 m	Buffer Zones (Metres) Required for the Protection of: Freshwater Habitat of Depths: Greater than 1 m	Buffer Zones (metres) Required for the Protection of Terrestrial Habitat
Field sprayer	Hybrid field corn	1	1	15

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicate don the label for those tank-mix partners.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Fieldstar WDG WSP Herbicide is both a Group 2 and a Group 4 herbicide. Any weed population may contain plants naturally resistant to Group 2 and/or Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same fields. 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 Fieldstar WDG WSP Herbicide or other Group 2 and/or Group 4 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 Dow AgroSciences Canada Inc. at 1-800-667-3852 or at www.dowagro.ca.

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. The user assumes the risk to persons or property that arises from any such use of this product.

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