OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
WASHINGTON, D.C. 20460

August 28, 2024

Ganganpreet Kaur
Regulatory Manager
Bayer Crop Science
800 N. Lindbergh Blvd.
St Louis, Mo 63167

Subject: Label Amendment - Registration Review Mitigation for Mesosulfuron-methyl
Product Name: Osprey Herbicide
EPA Registration Number: 264-802
Application Date: June 28, 2022
Decision Number: 585548

Dear Ganganpreet Kaur:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the mesosulfuron-methyl Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must

submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Concepción Rodríguez by phone at 202-566-0820, or via email at rodriguez.concepcion@epa.gov.

Sincerely,

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

MESOSULFURON | GROUP 2 | HERBICIDE

OSPREY® Herbicide

A Herbicide for the Control of Annual Grass and Broadleaf Weeds in Fall Sown or Winter Wheat and Fall Sown Triticale.

ACTIVE INGREDIENT:	
Mesosulfuron-Methyl* (CAS No.: 208465-21-8)	**4.5%**
OTHER INGREDIENTS:	**95.5%**
TOTAL:	**100.0%**

*This product is a water dispersible granule containing 4.5% of active ingredient, Mesosulfuron-Methyl, by weight.

E.P.A. Reg. No. 264-802 **E.P.A. Est. No.**

KEEP OUT OF REACH OF CHILDREN
CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

FIRST AID

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. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious or convulsing 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 center 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 center or doctor for treatment advice.
For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577. **Have the product container or label with you when calling a poison control center or doctor or going for treatment.**	

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eye or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, socks, shoes, and waterproof gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607 (d), (e), and (f)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove Personal Protective Equipment immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Terrestrial Use

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Groundwater Advisory

Mesosulfuron-methyl has properties and characteristics associated with chemicals detected in groundwater. Mesosulfuron-methyl may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. Mesosulfuron-methyl is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of mesosulfuron-methyl from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Non-target Organism Advisory Statement

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

ENDANGERED AND THREATENED SPECIES PROTECTION REQUIREMENTS

Before using this product, you must obtain any applicable Endangered Species Protection Bulletins ('Bulletins') within six months prior to or on the day of application. To obtain Bulletins, go to Bulletins Live! Two (BLT) at https://www.epa.gov/pesticides/bulletins. When using this product, you must follow all directions and restrictions contained in any applicable Bulletin(s) for the area where you are applying the product, including any restrictions on application timing if applicable. It is a violation of Federal law to use this product in a manner inconsistent with its labeling, including this labeling instruction to follow all directions and restrictions contained in any applicable Bulletin(s). For general questions or technical help, call 1-844-447-3813, or email ESPP@epa.gov.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Do not use this product until you have read the entire label.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water, is coveralls, socks, shoes, waterproof gloves, and protective eye wear.

PRODUCT INFORMATION

OSPREY® Herbicide is intended for application as a foliar spray in fall sown or winter wheat or fall sown triticale for the control of annual grass and broadleaf weeds. This product requires the addition of an adjuvant as specified in this label.

ENVIRONMENTAL AND BIOLOGICAL ACTIVITY

Best weed control is obtained when OSPREY Herbicide is applied to young actively growing weeds in vigorously growing fall sown or winter wheat that will shade competitive weeds. OSPREY Herbicide is absorbed through the foliage of plants, rapidly inhibiting growth of susceptible weeds. Visual symptoms progress from yellowing to necrosis of the growing point and eventual plant death. Abnormal environmental conditions (excess soil moisture or drought, extreme cold weather) can influence crop tolerance and herbicidal activity and may cause temporary damage to the crop or reduce levels of weed control. This may result in weed stunting, rather than weed death. However, weed competition will be greatly reduced, and should permit normal crop development. Crop response may occur when frost occurs shortly after application to actively growing wheat.

APPLICATION TIMING

Weed Application Timing

OSPREY Herbicide is a postemergent herbicide with best results being obtained when applications are made to young actively growing weeds. For annual (Italian) ryegrass and wild oat control, the weed application timing is from 1-leaf to the 2-tiller stage of growth. See weed tables for appropriate application timing and weed size. Treat heavy weed infestations before they become competitive with the crop.

Wheat and Triticale Application Timing

Apply OSPREY Herbicide to fall sown or winter wheat or fall sown triticale from emergence up to the jointing stage of growth.

Specific Regional Directions:

- In California, apply OSPREY Herbicide from emergence to 2-tiller wheat (Feekes 5).
- In Idaho, Oregon, and Washington states, OSPREY Herbicide may be applied from emergence up to the 2-node stage of wheat and fall sown triticale.

SPRAY ADDITIVES

OSPREY Herbicide is a water dispersible granule that does not include an adjuvant. A recommended adjuvant **must** be tank mixed with OSPREY Herbicide according to the guidelines as described in the Mixing Order section.

Application of OSPREY Herbicide must include a non-ionic surfactant plus ammonium nitrogen fertilizer or a methylated seed oil or a "basic blend" type adjuvant. Use only spray grade quality urea ammonium nitrogen fertilizer (28-0-0 to 32-0-0 at 1 – 2 qt/acre) or ammonium sulfate fertilizer (21-0-0-24 at 1.5 – 3 lbs/acre). When ammonium nitrogen fertilizer is used in tank mixture with OSPREY Herbicide, transient leaf burn may occur.

Do not use additives that alter the spray solution below 6.0 pH. Best results are obtained at spray solution pH of 6.0 – 8.0.

Organosilicone-based surfactants or crop oil concentrate surfactants are not recommended for use with OSPREY Herbicide.

Non-ionic Surfactant (NIS) + Ammonium Nitrogen Fertilizer (in water carrier solutions)

Use a non-ionic surfactant at a concentration of 0.5% v/v (2 qt per 100 gallons of spray solution) with ammonium nitrogen fertilizer. At least 80% of the surfactant product must be active non-ionic surfactant. Avoid products that do not accurately define their ingredients. Products must contain only EPA-exempt ingredients (40 CFR 1001).

Use a spray grade quality urea ammonium nitrogen fertilizer (20-0-0 to 32-0-0 at 1 – 2 qt/acre) or ammonium sulfate fertilizer (21-0-0-24 at 1.5 – 3 lbs/acre).

Methylated Seed Oil (MSO)

A high quality methylated seed oil may be used in tank mixture with OSPREY Herbicide at a rate of 1.3 – 1.5 pt/acre, however, potential for crop response may be increased compared to non-ionic surfactant plus ammonium nitrogen fertilizer.

When a methylated seed oil is used, ammonium nitrogen or ammonium sulfate fertilizer are not recommended.

Basic Blend Adjuvants

A basic blend adjuvant is a formulated combination of a non-ionic surfactant or methylated seed oil and a nitrogen source. Apply a basic blend adjuvant at 1% v/v or 0.8 – 1.6 pt/acre depending on water carrier volume per acre with OSPREY Herbicide. Select the appropriate amount of basic blend adjuvant per acre depending on local conditions.

When a basic blend adjuvant is used, ammonium nitrogen or ammonium sulfate fertilizer is not recommended.

APPLICATION METHODS

Uniform, thorough spray coverage is important to achieve consistent weed control. To get uniform spray coverage, use nozzles and pressure that deliver medium or coarser spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASABE standard S641 for aerial application and S572.3 for ground boom. Do not use flood-jet nozzles, controlled droplet application equipment, or cone nozzles. Use of certain nozzle types as described in the **SPRAY DRIFT ADVISORIES** section of this label may result in reduced coverage and weed control.

Ground Application

OSPREY Herbicide can be applied broadcast in 10 or more gallons of water per acre. For weed control in dense weed canopies, use 15 or more gallons of water per acre. Weed infestations should be treated before they become competitive with the crop.

The use of 80-degree or 110-degree flat-fan nozzles is highly recommended for optimum spray coverage and canopy penetration. To get uniform spray coverage, use nozzles and pressure that deliver medium or coarser spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASABE standard S-572.3. Use screens that are 50 mesh or larger.

Do not apply this product through any type of irrigation system.

Aerial Application

Calibrate the spray equipment prior to use. OSPREY Herbicide should be applied in a minimum of 5 gallons of water per broadcast acre. For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S641). For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S641). Aerial applications with this product should be made at a maximum height of 10 feet above the crop with low drift nozzles at a maximum pressure of 40 psi. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

See the ***Spray Drift Management*** section of this label for additional information on proper application of OSPREY Herbicide.

WEED RESISTANCE MANAGEMENT

For resistance management, Osprey Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to Osprey Herbicide and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.
To delay herbicide resistance take one or more of the following steps:

- Rotate the use of Osprey Herbicide or other Group 2 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 if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied,

especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.

- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for 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 Bayer CropScience at 1-866-99BAYER (1-866-992-2937). You can also contact your pesticide distributor or university extension specialist to report resistance.

ENDANGERED SPECIES

To avoid adverse effects on endangered dicot species, the following mitigation measures will be required where endangered species occur in Counties listed in the table below.

For ground applications, the applicator must:
1. Apply when there is sustained wind away from native plant communities, OR
2. Use low-pressure nozzles according to manufacturer's specifications that produce only coarse or very coarse droplets, OR
3. Leave 50 foot untreated buffer between treatment area and native plant communities.

For aerial applications, the applicator must:
1. Apply only when there is sustained wind away from native plant communities, OR
2. Leave 350 foot untreated buffer between treatment area and native plants.

State	*County*	*State*	*County*	*State*	*County*
Idaho	Idaho	**Oregon**	Benton	**Washington**	Asotin
	Lewis		Clackamas		Chelan
	Nez Perce		Lane		Cowlitz
			Linn		Lewis
Montana	Flathead		Marion		Lincoln
	Lake		Polk		Spokane
			Union		Whitman
			Wallowa		
			Washington	**Wyoming**	Laramie
			Yamhill		

OSPREY Herbicide is not registered for use in Minnesota.

MIXING INSTRUCTIONS

OSPREY Herbicide must be applied with clean and properly calibrated equipment. Prior to adding OSPREY Herbicide to the spray tank, ensure that the spray tank, filters, and nozzles have been thoroughly cleaned.

Mixing Order

1. Fill the tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of OSPREY Herbicide.
3. Continue agitation until the OSPREY Herbicide is fully dispersed, at least 5 minutes.
4. Once OSPREY Herbicide is fully dispersed, maintain agitation and continue filling tank with water. OSPREY Herbicide should be fully mixed with water before adding any other material.
5. As the tank is filling, add the required amount of spray adjuvant (methylated seed oil or basic blend or non-ionic surfactant) and ammonium nitrogen fertilizer. Add additional pesticide tank mix partner, if desired.
6. Continue agitation during herbicide application to ensure uniform spray coverage. If the mixture is not continuously agitated, settling may occur. If settling occurs, thoroughly re-agitate spray solution for at least 10 minutes before application. Use spray solution within 24 hours after mixing.

Application in Fluid Fertilizer Carrier Solution

OSPREY Herbicide provides consistent performance when applied with water as the spray carrier and a non-ionic surfactant is added to the spray solution. However, OSPREY Herbicide may be applied using a liquid nitrogen solution (28-0-0 or 30-0-0 or 32-0-0) as the spray carrier. The fertilizer spray solution should not exceed 15% liquid nitrogen (1.5 gallons of liquid nitrogen in 10 gallons of spray solution per acre). A non-ionic surfactant at a maximum concentration of 0.25% v/v (1 quart per 100 gallons of spray solution) is required in spray solutions containing liquid nitrogen carrier.

Due to the activity of fertilizer on the crop, temporary injury may result when liquid nitrogen is used as a spray carrier. Crop response symptoms due to the use of liquid nitrogen as a spray carrier may include discoloration, and leaf burn.

Washington, Oregon and Idaho Only - OSPREY Herbicide in Liquid Nitrogen Solutions as a Portion of the Spray Carrier in fall sown or winter wheat and fall sown triticale.

Apply OSPREY Herbicide by ground only from emergence up to the second node of crop development in spray solutions containing liquid nitrogen carrier.

Use 3.2 – 4.75 ounces OSPREY Herbicide /acre by ground in tankmixture with 0.25% v/v non-ionic surfactant up to 3 gallons of liquid nitrogen (20-0-0 to 32-0-0) in a minimum 10-gallon mix per acre.

RE-SUSPENDING WG PRODUCTS IN SPRAY SOLUTION

Like other Water Dispersible Granules or suspension concentrates (SC's), OSPREY Herbicide will settle if left standing without agitation. If the spray solution is allowed to settle for one hour or more, re-agitate the spray solution for a minimum of 15 minutes before application.

COMPATIBILITY

If OSPREY Herbicide is to be tank mixed with other herbicides, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 to 1 qt) of spray solution, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually occur within 5-15 minutes after mixing. Read and follow the label of each tank mix product used for precautionary statements, directions for use, geographic and other restrictions.

WEED CONTROL

Rate Tables for Weed Control

Apply OSPREY Herbicide at a rate of 4.75 ounces per acre (0.0135 lbs of ai/ Acre) in fall sown or winter wheat or fall sown triticale. Weed control at selected weed heights and stages is shown in the following tables.

Annual Weeds Controlled with OSPREY Herbicide
(ounces product/Acre)

Grass Weed Species Common Name (Scientific Name)	4.75 oz/Acre (0.0135 lbs of ai/ Acre) OSPREY Herbicide
Blackgrass (*Alopecurus myosuroides*)	1-leaf to 2-tiller
Bluegrass, annual *(Poa annua)*	1-leaf to 2-tiller
Bluegrass, roughstalk *(Poa trivialis)*	1-leaf to 2-tiller
Bluegrass, Kentucky *(Poa pratensis)*	1-leaf to 2-tiller
Canarygrass, hood * *(Phalaris paradoxa)*	1-leaf to 2-tiller
Canarygrass, littleseed * *(Phalaris minor)*	1-leaf to 2-tiller
Darnel, Persian* *(Lolium persicum)*	1-leaf to 2-tiller
Ryegrass, annual / Italian *(Lolium multiflorum)*	1-leaf to 2-tiller
Wild oat * *(Avena fatua)*	1-leaf to 2-tiller
Windgrass * *(Apera spica-venti & Apera interrupta)*	Up to 3 inches in height
* For fields with infestations of wild oat, windgrass, Persian darnel, or canarygrass only, 3.2 oz/A (0.009 lbs of ai/ Acre) of OSPREY Herbicide may be used.	

Broadleaf Weed Species	4.75 oz/Acre (0.0135 lbs ai/ Acre) OSPREY Herbicide
Mustard, tumble *(Sisymbrium altissimum)*	1 – 4 inches
Mustard, wild *(Brassica kaber)*	1 – 2 inches
Pennycress, field *(Thlaspi arvense)*	1 – 4 inches
Radish, wild *(Raphanus raphanistrum)*	1 – 2 inches
Volunteer Canola *(Brassica napus & Brassica rapa)*	1 – 2 inches

Annual Weeds Suppressed with OSPREY Herbicide (ounces product/Acre)

Broadleaf Weed Species	4.75 oz/Acre (0.0135 lbs ai/ Acre) OSPREY Herbicide
Chickweed, common *(Stellaria media)*	1 - 2 inches
Henbit *(Lamium amplexicaule)*	1 – 2 inches
Pigweed, redroot *(Amaranthus retroflexus)*	1 – 2 inches
Suppressed weeds will be stunted in growth and/or be reduced in number as compared to non-treated areas but performance may not be commercially acceptable.	

Grass Weeds Suppressed with OSPREY Herbicide (ounces product/Acre)

Grass Weeds Common Name (Scientific Name)	4.75 oz/Acre (0.0135 lbs ai/ Acre) OSPREY Herbicide
Bluegrass, bulbous (*Poa bulbosa*)	1-leaf to prior to boot-stage
Brome, soft (*Bromus hordeaceus)*	1-leaf to 2-tiller
Brome, ripgut *(Bromus rigidus)*	1-leaf to 2-tiller
Brome, downy *(Bromus tectorum)*	1-leaf to 2-tiller
Brome, Japanese *(Bromus japonicus)*	1-leaf to 2-tiller
Cheat *(Bromus secalinus)*	1-leaf to 2-tiller
Hairy chess (*Bromus commutatus*)	1-leaf to 2-tiller
Goatgrass, jointed (*Aegilops cylindrica*)	1-leaf to 2-tiller
Quackgrass (*Elytrigia repens*)	1-leaf to 2-tiller
Ventenata (*Ventenata dubia*)	1-leaf to 2-tiller
Suppressed weeds will be stunted in growth and/or be reduced in number as compared to non-treated areas but performance may not be commercially acceptable.	

TANK MIX RECOMMENDATIONS

OSPREY Herbicide may be tank mixed with the herbicides listed below to provide broad-spectrum weed control. When using OSPREY Herbicide in tank mix combinations, follow the precautions and directions of the most restrictive label. OSPREY Herbicide contains 0.091 pounds of mefenpyr-diethyl per pound of product. Applying the maximum-labeled rate of OSPREY Herbicide delivers 0.027 lbs of mefenpyr-diethyl per acre. Do not apply more than 0.053 pounds of mefenpyr-diethyl per acre per year. It is recommended that herbicides not specifically listed on this label for tank mixing with OSPREY Herbicide be applied sequentially, 5 days prior to or 5 days after an OSPREY Herbicide treatment.

Abnormally large temperature fluctuations between daytime highs and nighttime lows at the time of application may influence crop tolerance. Frost occurrence the night before or within two days after application may increase crop response. These effects can be quite marked when OSPREY Herbicide is tankmixed with EC partners. Consult with your Bayer CropScience representative for further guidance concerning tankmixes under these conditions.

In Washington, Oregon and Idaho: When tank mixing OSPREY Herbicide with an EC broadleaf herbicide, reduce the NIS rate from 0.5% to 0.25%.

Refer to the appropriate label of each tank mix partner for instructions regarding application rates required to control weeds not listed on this label.

Tank Mixtures for Additional Weed Control

Herbicides:

Affinity™ /Affinity Broadspec	Harmony® / Harmony® Extra XP
Ally®/ Ally® Extra	Huskie®
Amber®	MCP ester / MCP amine (0.25 – 0.5 lbs ai/acre) **
Buctril® Herbicide*	Olympus®
Bronate Advanced® Herbicide*	Peak®
	Starane™/ Starane NXT/ Starane Flex
Curtail M	Stinger™
Express®	WideMatch
Finesse®	Varro®

Consult appropriate label of each tank mix partner for exact application rates required to control weeds not listed on this label. Tankmixes should be used in accordance with the most restrictive label limitations and precautions.

* Equivalent bromoxynil products may be substituted in a tank mix for these products.

** Various formulations of MCP Ester/Amine may be tank mixed at a dosage of 0.25 – 0.5 lb ai/acre. Follow label restrictions for MCPA application and wheat stage of growth. Increased crop response or reduced grass control may occur when adding MCP amine to OSPREY Herbicide.

Tank Mixtures for Disease Control

OSPREY Herbicide may be applied in combination with Stratego®, Tilt®, or Topsin® M 70WP fungicides for weed and disease control. Refer to the specific fungicide label for use directions, application rates, restrictions and a list of diseases controlled.

Tank Mixtures for Insect Control

OSPREY Herbicide may be applied with Baythroid XL, Warrior® Insecticide with Zeon Technology or Z-Cype 0.8 EC Insecticide. Refer to the specific insecticide label for use directions, application rates, restrictions and a list of insects controlled.

Tank Mix Precautions

Always follow the label instructions of the tank mix partner as well as OSPREY Herbicide. Check the compatibility of OSPREY Herbicide and the tank mix partner by mixing all components in the order specified in the ***Mixing Order*** section, including adjuvants and water, into a small separate container in order to evaluate compatibility prior to adding them to the tank.

TANK CLEANUP PROCEDURE

1. Drain the tank completely, and then wash out tank, boom and hoses with clean water. Drain again.
2. Half fill the tank with clean water and add ammonia (i.e., 3% domestic ammonia solution) at a dilution rate of 1% (i.e., 1 gallon of domestic ammonia for every 100 gallons of rinsate). Complete filling of the tank with water. Agitate/recirculate and flush through boom and hoses. Leave agitation on for 10 minutes. Drain tank completely.
3. Repeat step 2.
4. Remove nozzles and screens and soak them in a 1% ammonia solution. Inspect nozzles and screens and remove visible residues.
5. Flush tank, boom, and hoses with clean water.
6. Inspect tank for visible residues. If present, repeat step 2.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S641). For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S641).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.3).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.3).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

The applicator is responsible for avoiding off-site spray drift.
Be aware of nearby non-target sites and environmental conditions.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

POLLINATOR ADVISORY STATEMENT

This product may adversely impact the forage and habitat of local pollinators, such as the monarch butterfly (and its larvae), birds, or bats. Protect wildlife by following label directions, and making only directed applications.

RUNOFF PREVENTION

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

WINDBLOWN SOIL PARTICLES

OSPREY Herbicide has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying OSPREY Herbicide if prevailing local conditions may be expected to result in off-site movement.

Before applying OSPREY Herbicide the user must read and understand all label directions, precautions and restrictions completely, including these requirements for a site specific evaluation. If you do not understand any of the instructions or precautions on the label, or are unable to make a site specific evaluation yourself, consult your local agricultural dealer, cooperative extension service, land managers, professional consultants, or other qualified authorities familiar with the area to be treated. If you still have questions regarding the need for site specific considerations, please call Bayer CropScience at 1-866-99BAYER (1-866-992-2937).

ROTATIONAL CROP RESTRICTION

CROP	ROTATION INTERVAL
Wheat	7 days
Triticale	7 days
Barley	30 days
Sunflower	30 days
Soybean	90 days
Chickpeas	90 days
Cotton	90 days
Rice	90 days
Lentils	90 days
Dry Beans	90 days
Peas	90 days
Peanuts	90 days
Corn	90 days
Sorghum	90 days
All Other Crops	10 Months

OSPREY Herbicide is degraded by microbial action. Under adverse condition such as cold temperatures and drought, degradation may be slowed. It is recommended that a field bioassay be run when adverse conditions occur. Grow test strips of the desired rotational crop in the fields previously treated with OSPREY Herbicide. Results will indicate if the rotational crop can be grown.

RESTRICTIONS FOR USE

- Use adjuvants as specified on this label.
- Do not apply OSPREY Herbicide to crops undersown with grass and legume species.
- OSPREY Herbicide is rainfast 4 hours after application to most weed species. Rainfall within 4 hours may result in reduced weed control.
- Applications should be made to actively growing weeds. Weed control may be reduced when weeds are under stress due to severe weather conditions, drought, very cold temperatures, etc. Weed control may be reduced if the herbicide application is made under dry, dusty conditions – especially in the wheel track areas.
- Do not make more than one application of OSPREY Herbicide in one fall sown or winter wheat or fall sown triticale growing season.
- Do not apply more than 4.75 oz/acre of OSPREY Herbicide in one fall sown or winter wheat or fall sown triticale growing season.
- Do not apply more than 0.053 pounds of mefenpyr-diethyl per acre per year.
- Do not apply when wind causes drift to off-site vegetation as injury may occur. Small amounts of OSPREY Herbicide via drift or tank contamination can cause severe damage to crops other than wheat. Careful management of spray drift and tank cleanout is required.
- Applications of ammonium nitrogen fertilizer independent of those made with herbicides are commonly known as topdress applications. Topdress applications of ammonium nitrogen have been shown on occasion to result in transient leaf burn or stunting when applied within 14 days of an OSPREY Herbicide application.
- Do not apply OSPREY Herbicide within 30 days of harvesting wheat or triticale forage, and 60 days for hay, grain, and straw.
- Do not apply OSPREY Herbicide in tank mixture with malathion, mancozeb, Di-Syston or methyl parathion as unacceptable crop phytotoxicity may occur.
- Applications of OSPREY Herbicide in California should be made from emergence to 2-tiller wheat (Feekes 5).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE

Store in a cool, dry place.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[Non-Seed Treatment Products in Non-Refillable Containers]

Rigid, Non-refillable containers (equal to or less than 5 gallons)
Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)
Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)
Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.
Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)
Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners
Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers
Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities."

[Non-Seed Treatment Products in Refillable Containers]

Refillable container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. Do not reuse this container for any other purpose. Contact your Ag retailer or Bayer CropScience for container return, disposal and recycling information.

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)
Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least

40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)
Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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NET CONTENTS:

Bayer CropScience LP
800 N. Lindbergh Blvd.
St. Louis, MO 63167
1-866-99BAYER (1-866-992-2937)

OSPREY Herbicide (PENDING) 06/16/2022, 10/02/2023, 10/03/2023, 10/20/2023, 08/21/2024