

264-1067

12/24/2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg.

Number:

264-1067

Date of Issuance:

24 DEC 2008

## NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Balance Flexx Herbicide

Name and Address of Registrant (include ZIP Code):

Bayer CropScience  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data.

2. Make the following label changes listed below before you release the product for shipment:

a. Add the phrase, "EPA Reg. No. 264-1067".

b. Delete on page 4 "or 0.20 pounds Cyprosulfamide". The applicator cannot determine the amount of the safener in the product since the pounds per gallon are not declared on the label. Also according to our calculations applying this amount of safener exceeds the products labeled application rate.

Signature of Approving Official:

*Joanne I. Miller*

Joanne I. Miller  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)

Date:

24 DEC 2008

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3. Submit one (1) copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

**RESTRICTED USE PESTICIDE**

May injure (phytotoxic) susceptible non-target plants.

For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Commercial and certified applicators must ensure that all persons involved in these activities are informed of the precautionary statements.

GROUP 27 HERBICIDE

# BALANCE® FLEXX Herbicide

For weed control in field corn in the states of: Arkansas, Colorado, Illinois, Indiana, Iowa, Kansas, Kentucky, Missouri, Montana, Nebraska, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, and Wyoming. In the states of Colorado, Kansas, Missouri and South Dakota, a section 24(c) has been established that has more restrictive conditions on the use of Isoxaflutole. You should check with your state regulatory authority prior to use.

**ACTIVE INGREDIENT:**

Isoxaflutole\* [5-cyclopropyl-4-(2-methylsulfonyl-4-trifluoromethylbenzoyl) isoxazole] ..... 20.00%

**OTHER INGREDIENTS:** ..... 80.00%

**TOTAL 100.00%**

\*Product contains 2.0 pounds of isoxaflutole active ingredient per gallon.

E.P.A. Reg. No. 264-XXXX

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)

### FIRST AID

**ACCEPTED**  
**with COMMENTS**  
In EPA Letter Dated:  
**24 DEC 2008**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

**264-1062**

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a physician if irritation persists.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**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.**

**NOTE TO PHYSICIAN:** No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

## PRECAUTIONARY STATEMENTS

### CAUTION

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks and protective eye wear. When mixing/loading or cleaning equipment, wear a chemical resistant apron in addition to the other required PPE. 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 PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], 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 immediately if pesticide gets inside. 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.

#### ENVIRONMENTAL HAZARDS

Drift or runoff may adversely affect non-target plants. Drift and runoff may be hazardous to aquatic organism in neighboring areas. Do not apply directly to water, 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 washwaters or rinsate.

Do not apply when weather conditions favor drift from treated areas. Do not use the same spray equipment for other purposes unless thoroughly cleaned. Do not contaminate water used for irrigation or domestic purposes.

Balance® Flexx Herbicide contains isoxaflutole which is known to leach through soil into shallow ground water under certain conditions as a result of agricultural use. Use of Balance® Flexx Herbicide in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Isoxaflutole residues can contaminate surface water through spray drift. Under some conditions, isoxaflutole residues may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-laying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips and areas over-laying tile drainage systems that drain to surface water.

In fields having sands, loamy sands and sandy loam soils, special care should be taken not to over-irrigate since substantial over-irrigation promotes the leaching of chemicals.

This pesticide is toxic to some plants at very low concentrations. Non-target plants may be adversely affected if the pesticide is allowed to drift from areas of application. Exposure to isoxaflutole residues may injure or kill susceptible plants. Symptoms of phytotoxicity as a result of exposure to isoxaflutole include whitening or chlorosis of the foliage of affected plants. Cotton is particularly susceptible to isoxaflutole; therefore, exposure of cotton to isoxaflutole residues may affect cotton yield. To prevent damage to crops and other desirable plants, read and follow all directions and precautions on this label before using.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to exclude completely precipitation from contact shall be of sufficient capacity to contain at a minimum of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum

containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

**ENDANGERED SPECIES PROTECTION REQUIREMENTS:**

This product may have effects on federally listed threatened or endangered species or their critical habitat in some locations. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county or parish in which you are applying the pesticide. To determine whether your county or parish has a Bulletin, and to obtain that Bulletin, consult <http://www.epa.gov/espp/>, or call 1-800-447-3813 no more than 6 months before using this product. Applicators must use Bulletins that are in effect in the month in which the pesticide will be applied. New Bulletins will generally be available from the above sources 6 months prior to their effective dates.

**DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
Read entire label before using this product.**

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 same area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticides.

**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 12 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 over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, socks plus chemical resistant footwear and protective eye wear.

**STORAGE AND DISPOSAL**

**STORAGE**

Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry secured storage area.

**PESTICIDE DISPOSAL**

Dispose wastes resulting from the use of this product on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL**

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple 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. Then puncture and dispose of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**GENERAL INFORMATION**

BALANCE® FLEXX Herbicide contains the corn safener Cyprosulfamide.

BALANCE® FLEXX Herbicide is formulated as a suspension concentrate containing 2 pounds isoxaflutole active ingredient per gallon.

BALANCE® FLEXX Herbicide also contains 2 pounds per gallon of the corn safener Cyprosulfamide.

BALANCE® FLEXX is a selective herbicide for control of important broadleaf and grass weeds infesting field corn when used as a preplant (surface-applied or incorporated), preemergence or early postemergence herbicide.

BALANCE® FLEXX is effective in controlling glyphosate, triazine, plant growth regulant or ALS resistant populations of weed species which are listed in the "Weed Species Control" tables below on this label.

**BALANCE® FLEXX Herbicide can be used on field (dent) corn for seed and blended field (dent) corn varieties.** However, seed corn inbreds and male pollenators within certain corn varieties, vary in their response to BALANCE® FLEXX Herbicide. Not all hybrids/inbreds have been tested for sensitivity to BALANCE® FLEXX HERBICIDE. You should consult with your seed provider, your local Bayer CropScience representative and/or other knowledgeable agricultural professionals for advice on hybrid/inbred tolerance before applying BALANCE® FLEXX HERBICIDE. If the tolerance of a hybrid/inbred is not known, you should apply BALANCE® FLEXX HERBICIDE to a small area to first determine if the hybrid/inbred is tolerant prior to spraying large acreages of that hybrid/inbred.

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## RESTRICTIONS AND PRECAUTIONS FOR USE

- In the States of CO, KS, KY, MO, and TN, if the water table (i.e. level of saturation) is less than 25 feet below the ground surface, do not use on loamy sand or sand surface soil and subsoils with an average organic matter (in the upper 12 inches) of less than 2% by weight.
- In the States of IA, IL, IN, MT, ND, NE, OH, PA, SD, and WY, if the water table (i.e. level of saturation) is less than 25 feet below the ground surface, do not use on sandy loam, loamy sand or sand surface soils and subsoils with an average organic matter (in the upper 12 inches) of less than 2% by weight.
- PLANT CORN AT LEAST 1 1/2 INCHES DEEP. CORN SEED MUST BE COMPLETELY COVERED WITH SOIL AND FURROW FIRMED.
- Do not apply more than 6.0 fluid ounces per acre of BALANCE® FLEXX Herbicide per 365-day period or exceed the maximum labeled rate for any given soil type.
- In corn, do not exceed from all sources 0.094 pounds per acre of isoxaflutole or 0.20 pounds Cyprosulfamide per 365-day period.
- Application of BALANCE® FLEXX Herbicide at less than recommended rates for the appropriate soil will only provide suppression of sensitive weeds.
- To prevent off-site movement of soil containing this product to non-target areas, do not apply BALANCE® FLEXX Herbicide to areas receiving less than 15 inches of average annual precipitation unless supplemented to at least the equivalent of 15 inches of annual precipitation with irrigation water.
- Do not irrigate BALANCE® FLEXX Herbicide into coarse soils at planting time when soils are saturated.
- Do not apply this product through any type of irrigation system.
- Do not apply this product using aerial application equipment.
- Do not use flood or furrow irrigation to apply, activate or incorporate this product.

## ROTATIONAL CROP RESTRICTIONS

Rotational crops vary in their crop response to low concentrations of BALANCE® FLEXX remaining in the soil. The amount of BALANCE® FLEXX that may be present in the soil depends on soil moisture, soil temp, application rate, elapsed time since application and other environmental factors. When BALANCE® FLEXX Herbicide is used in combination with other products, always follow the most restrictive rotational crop requirements.

The following rotational crops may be planted after applying BALANCE® FLEXX in Corn:

Rotational Interval	Crop	Geography	Minimum precipitation Requirement <sup>1</sup>
0 Months	Corn (Field)	All	None
4 Months	Wheat	All	None
6 Months	Soybeans, Barley, Sweet corn, Popcorn, Potato, Grain Sorghum, and Sunflower	All	None
10 Months	Alfalfa	All	15 inches of cumulative precipitation from application to planting of rotational crop. <sup>2</sup>
	Dry Beans and Sugar beets	East of the Mississippi River	
18 Months	Dry Beans and Sugar beets	West of the Mississippi River	15 inches of cumulative precipitation from application to planting of rotational crop. <sup>2</sup>
	All other crops	All	

<sup>1</sup>The amount of cumulative precipitation required before planting a rotational crop is in addition to the required rotational interval given in months.

<sup>2</sup>Furrow or Flood irrigation not to be included in total. No more than 7 inches of overhead irrigation included in total.

## MIXING INSTRUCTIONS

**Application with water or liquid fertilizer as a carrier:** Fill the spray tank 1/4 to 1/2 of the required volume of water or liquid fertilizer prior to the addition of BALANCE® FLEXX Herbicide. Add the proper amount of BALANCE® FLEXX Herbicide, then add the rest of the water or liquid fertilizer to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application. If BALANCE® FLEXX Herbicide is applied in a tank mixture with other pesticides, add BALANCE® FLEXX Herbicide to the spray tank first and ensure it is thoroughly dispersed before adding other pesticides. Continue to fill the tank with carrier to the desired volume while agitating. **CONTINUE AGITATION DURING APPLICATION TO ENSURE A UNIFORM SPRAY MIXTURE.**

**Re-suspending SC Products in Spray Solution:** Like other suspension concentrates (SC's), BALANCE® FLEXX Herbicide will settle if left standing without agitation. If the spray solution is allowed to settle for one hour or more, reagitrate the spray solution for a minimum of 10 minutes before application.

## TANK CLEANUP PROCEDURE

### Cleaning Equipment After BALANCE® FLEXX Herbicide Application

Special attention must be given to cleaning equipment before spraying a crop other than corn. Mix only as much cleaning solution as needed.

1. Flush tank, hoses, boom and nozzles with clean water.
2. Use a pressure washer with a high quality commercial spray tank cleaner in water to clean the inside of the spray tank. Take care to wash all parts of the tank, including the inside top surface. If a pressure washer is not available, completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all internal surfaces of the tank and plumbing. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
3. Flush hoses, spray lines, and nozzles for at least 1 minute with the cleaning solution.
4. Dispose of rinsate from steps 1-3 in an appropriate manner.
5. Repeat steps 2-4.
6. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
7. Rinse the complete spraying system with clean water.
8. Cleanup should be conducted on an approved rinse pad or the field site where an approved crop is to be grown.

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## TANK MIXTURES

BALANCE® FLEXX Herbicide can be applied in tank mixture with many other pesticides registered for use on approved crops. Refer to the USE RATE TABLE under SPECIFIC USE DIRECTIONS and the "Tank Mix Combination" section for rate recommendations and other restrictions. Also, refer to instructions for early postemergence tank mixtures, adjuvants and carrier solutions for directions on the use of tank mixtures after crop emergence.

## COMPATIBILITY

If BALANCE® FLEXX Herbicide is to be tank mixed with liquid fertilizers or other pesticides, 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, 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 will appear within 5-15 minutes after mixing. Read and follow all parts of the label of each tank-mix product.

## APPLICATION PROCEDURES

### APPLICATION TIMING

BALANCE® FLEXX Herbicide may be used in either conventional, conservation tillage, or no-till crop management systems and may be applied either preplant or preplant incorporated (less than 2" deep), preemergence or early postemergence for use in field corn production, corn grown for silage, and field (dent) corn grown for seed.

BALANCE® FLEXX Herbicide treatments are most effective in controlling weeds when adequate rainfall is received within 14 days after application. If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain occurs, use shallow tillage such as rotary hoe to lightly incorporate BALANCE® FLEXX Herbicide and make certain corn seeds are below the tilled area. If treated soil is moved during tillage practices in such a way that the herbicide barrier is no longer intact, weeds may emerge from areas where treated soil has been removed. Do not incorporate with a drag harrow after planting.

**Preplant Surface-Applied:** BALANCE® FLEXX Herbicide may be applied up to 21 days before planting corn. BALANCE® FLEXX Herbicide may be applied up to 30 days prior to planting when used in a planned sequential application program such as BALANCE® FLEXX Herbicide followed by Ignite® 280 SL, Buctril®, or other post applied herbicides. Refer to the label of the respective sequential partner for specific use directions. Split applications can be made. It is recommended that 60 percent of the recommended broadcast rate (refer to the rate selection table below) be applied 15 to 30 days prior to planting and the remaining 40 percent applied at planting. Total BALANCE® FLEXX Herbicide applied should equal the rate recommended for a preplant treatment on the predominate soil type in the field. Moving treated soil out of the row or moving untreated soil to the surface during planting may result in reduced weed control.

**Preplant Incorporated:** BALANCE® FLEXX Herbicide may be applied up to 21 days before planting field corn; up to 30 days prior to planting when used in a planned sequential application program such as BALANCE® FLEXX Herbicide followed by IGNITE® 280 SL, BUCTRIL®, or other post applied herbicides. Refer to all parts of the respective sequential partner label for specific use directions. Apply to the soil and uniformly incorporate in the top two inches of soil before planting using a finishing disc, field cultivator or similar implement capable of providing uniform two inch incorporation. Do not incorporate BALANCE® FLEXX Herbicide deeper than 2" or weed control may be reduced.

**Preplant/Preemerg Burndown:** When weeds are present at the time of treatment and prior to corn emergence, a tank mixture of BALANCE® FLEXX Herbicide with crop oil concentrate or methylated seed oil is recommended for burndown of labeled weeds 3" or less in height. When weeds are greater than 3" in height or weeds not controlled by BALANCE® FLEXX Herbicide are present, the addition of a burndown herbicide (e.g., Gramoxone® Extra, glyphosate, or 2,4-D) is recommended. If giant ragweed, common cocklebur, henbit, Pennsylvania smartweed or purple deadnettle are present at the time of application, the addition of atrazine will improve control. Observe directions for use and precautions and restrictions on the label of the burndown herbicide. When mixing with liquid nitrogen fertilizer or certain glyphosate formulations, substitute a non-ionic surfactant for crop oil concentrate.

**Preemergence:** Apply BALANCE® FLEXX Herbicide during planting (behind the planter after furrow closure) or after planting, but before weeds or crop emerge. Failure to thoroughly close and firm the seed furrow may allow herbicide to directly contact the seed which can cause injury.

**Early Postemergence:** BALANCE® FLEXX Herbicide alone or in tank mixture with atrazine may be applied to corn from spiking through the 2 leaf-collar growth stage (V2, the first leaf has a rounded tip). BALANCE® FLEXX Herbicide may not provide control of emerged weeds larger than a 1 true leaf stage.

Harvest of corn forage is permitted at 45 days or more after an early postemergence treatment of BALANCE® FLEXX Herbicide.

**Early Postemergence tank mixtures, adjuvants and carrier solutions:** BALANCE® FLEXX Herbicide can be applied to corn in tank mixture with atrazine from spiking through the 2-leaf collar growth stage.

Do not use COC or MSO with BALANCE® FLEXX Herbicide applied to emerged field corn.

Tank-mixtures with other herbicides or adjuvants are not recommended for early postemergence applications of BALANCE® FLEXX Herbicide as crop response symptoms including bleaching, leave edge necrosis and stunting may result.



DO NOT apply tank-mixes of BALANCE® FLEXX Herbicide with organophosphate or carbamate insecticides to emerged corn. Foliar applications of an organophosphate or carbamate insecticides should not be made within 7 days of an application of BALANCE® FLEXX Herbicide or crop injury may result.

Early postemergence applications of BALANCE® FLEXX Herbicide should be made in water as the carrier. Sprayable fluid fertilizer as an herbicide carrier for early postemergence applications in corn can typically cause corn injury up to and including tissue burn (necrosis). Sprayable fluid fertilizer as a carrier and is not recommended for use with BALANCE® FLEXX Herbicide after crop emergence unless typical fertilizer burn symptoms on the crop are acceptable.

## **GROUND APPLICATION**

DO NOT OVERLAP SPRAY PATTERNS BEYOND EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AS EXCESSIVE RATES MAY RESULT IN ADVERSE CROP RESPONSE.

Apply BALANCE® FLEXX Herbicide alone or in tank mixtures by ground equipment in a minimum of 10 gallons of spray mixture per acre. Uniform, thorough spray coverage is important to achieve consistent weed control. To minimize spray drift to non-target areas, apply this product using nozzles which deliver a coarse or larger spray droplet as defined by ASAE standard S-572 and as shown in nozzle manufacturer's catalogues. Keep the spray boom at the lowest possible spray height above the target surface. Refer to nozzle manufacturer's recommendations for proper nozzle, pressure setting and sprayer speed for optimum product performance and minimal spray drift. Use sprayers that provide accurate and uniform application.

Uneven application, sprayers not properly calibrated, or improper incorporation may decrease the level of weed control and/or increase the level of adverse crop response. Over applications or boom overlapping may result in stand loss.

Maintain constant ground speed while applying product to ensure proper distribution. **MAINTAIN ADEQUATE AGITATION AT ALL TIMES, INCLUDING MOMENTARY STOPS.**

**BANDED APPLICATION**

Banding herbicide application equipment must be carefully calibrated to prevent crop exposure to concentrations of BALANCE® FLEXX Herbicide that exceed the labeled rate for the soil type. It is critical to insure that the calibrated band width equates to actual band width realized in field applications. Bands actually delivered at a width narrower than targeted will concentrate the product and increase the risk for crop response.

**EVEN FLAT SPRAY TIP NOZZLES AND A BAND WIDTH OF NO LESS THAN 12" MUST BE USED.**

**Band Treatment:** Apply a broadcast equivalent rate and volume per acre. The following equations may be used to make the required calculations as follows:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast RATE per acre} = \text{Amount product needed per acre.}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast spray VOLUME per acre} = \text{Amount Band spray VOLUME needed per acre}$$

**SPECIFIC USE DIRECTIONS**

**USE RATE TABLE**

**BALANCE® FLEXX Herbicide APPLIED ALONE, AS A TANK-MIX OR AS PART OF A PLANNED SEQUENTIAL WEED CONTROL PROGRAM**

Application Timing <sup>1</sup>	Fluid Ounces of BALANCE® FLEXX Herbicide per Acre				
	Soil Texture				
	Coarse Soils Sand, Loamy sand, Sandy loam		Medium Soils Loam, Silt loam, Silt, Sandy clay loam		Fine Soils Silty clay loam, Clay loam, Sandy clay, Silty clay, Clay
	1.5% O.M. <sup>2</sup> or less	> 1.5% O.M.	1.5% O.M. or less	>1.5% O.M.	
Preplant (Surface Applied or Incorporated): Early 8 to 30 days prior to planting	4.0	5.0	6.0		
Preplant (Surface Applied or Incorporated): 0 to 7 days prior to planting.				6.0	
Preemergence	3.0	4.0	5.0	6.0	
Early postemergence					

<sup>1</sup>BALANCE® FLEXX Herbicide may be applied up to 30 days prior to planting when used in a planned sequential application program such as BALANCE® FLEXX followed by IGNITE® 280 SL, BUCTRIL, or other post applied herbicides.

<sup>2</sup>O.M. = Organic Matter by weight

**Effect of variable soils on use rate:** The proper use rate of BALANCE® FLEXX Herbicide is affected by several soil factors, including soil texture, organic matter, and soil pH. Soils which contain variations in one or more of these factors in a given area are termed variable soils and may be more likely to incur localized corn injury symptoms from an application of BALANCE® FLEXX Herbicide. Characteristics of localized soil variants that are more likely to incur injury are a more coarse soil texture, a lower organic matter and/or a higher pH (alkaline/calcareous soil) than other areas of the same field and include, among others, clay knolls, eroded hill sides and terracing with scraped exposed subsoil. The user is responsible for selecting the rate of BALANCE® FLEXX Herbicide that is appropriate for all soils in the area of application.

## TANK MIX COMBINATIONS

BALANCE® FLEXX Herbicide MAY BE TANK MIXED WITH THESE HERBICIDES FOR CONTROL OF CERTAIN BROADLEAF AND GRASS WEEDS IN CORN.

Tank-mixes with BALANCE® FLEXX Herbicide are not limited to the tank-mix partners mentioned in below lists. Refer to and follow all parts of the label of each tank-mix partner. See instructions for early postemergence tank mixtures, adjuvants and carrier solutions for directions on the use of tank mixtures with BALANCE® FLEXX Herbicide after crop emergence.

Tank-mix combinations may be used in either conventional, conservation tillage, or no-till cropping systems and applied at the same timings as BALANCE® FLEXX Herbicide unless otherwise specified in the tank mix label. Multiple tank mixtures are allowed unless otherwise specified by the respective product labels. Check all tank-mix product labels for proper rates and compatibilities for multiple tank-mixes.

BALANCE® FLEXX Herbicide is also recommended as the first herbicide applied in an integrated weed control program that includes sequential postemergence herbicide applications.

### TANK-MIX PARTNERS NOT CONTAINING A TRIAZINE HERBICIDE.

2,4-D

AUTUMN™ Herbicide

Glyphosate (including Roundup® and Touchdown® branded products)

IGNITE® 280 SL Herbicide

Apply the following tank-mix partners at one half to full rate based on the product's allowable use rate for specific soil types and/or organic matter content.

Dual®/Dual® II/ Dual® II Magnum

Frontier®

Harness®

Lasso® / Micro-Tech® / Partner®

Prowl® 3.3 EC

Prowl® H2O

Surpass®

Topnotch®

DEFINE™ SC Herbicide

Degree™

Outlook™

### TANK-MIX PARTNERS CONTAINING A TRIAZINE HERBICIDE

Atrazine 4L

Atrazine 90 WG

Bicep® II / Bicep® Lite II / Bicep® II Magnum/ Bicep® Lite II Magnum

Bullet®

Field Master®

FulTime®

G-Max™ Lite

Guardman®

Guardman® Max

Harness® Xtra

Harness® Xtra 5.6L

Keystone™

Keystone™ LA Herbicide

Lariat®

Leadoff®

Op-Till™

Simazine/Princep

Surpass® 100

Degree Xtra™

**BROADLEAF AND GRASS WEEDS  
CONTROLLED BY BALANCE® FLEXX Herbicide ALONE AND IN TANK MIXTURES FOR FIELD CORN**

Broadleaf Weeds (C = Weeds Controlled, PC = Partial Control)	BALANCE® FLEXX Herbicide Alone	BALANCE® FLEXX Herbicide plus Atrazine or Premixes containing Atrazine	BALANCE® FLEXX Herbicide plus pre-emerge grass herbicide	Grassy Weeds (C = Weeds Controlled, PC = Partial Control)	BALANCE® FLEXX Herbicide Alone	BALANCE® FLEXX Herbicide plus Atrazine or Premixes containing Atrazine	BALANCE® FLEXX Herbicide plus pre-emerge grass herbicide
Amaranth, Palmer	C	C	C	Barnyardgrass	C	C	C
Buffalobur	C	C	C	Crabgrass, large	C	C	C
Burcucumber	PC	PC	PC	Crabgrass, smooth	C	C	C
Buttercup, small flower	C	C	C	Cupgrass, woolly **	C	C	C
Carpetweed			C	Foxtail, bristly	C	C	C
Chamomile spp.	C	C	C	Foxtail, giant	C	C	C
Chickweed, common	C	C	C	Foxtail, green	C	C	C
Cocklebur*		C		Foxtail, robust purple	C	C	C
Copperleaf, hophornbeam	C	C	C	Foxtail, robust white	C	C	C
Dandelion (seedling)	C	C	C	Foxtail, yellow**	C	C	C
Deadnettle, purple	C	C	C	Goosegrass	C	C	C
Galinsoga	C	C	C	Johnsongrass, seedling	C	C	C
Henbit	PC	C	PC	Panicum, fall	C	C	C
Jimsonweed	C	C	C	Panicum, Texas	C	C	C
Kochia	C	C	C	Proso millet, wild**	C	C	C
Lambsquarters, common	C	C	C	Sandbur, field**	PC	PC	PC
Mallow, Venice	C	C	C	Shattercane **	PC	PC	PC
Marestail	C	C	C	Signalgrass, broadleaf **	C	C	C
Morningglory, annual*		C		Witchgrass			C
Wild mustard	C	C	C				
Nightshade, black	C	C	C				
Nightshade, eastern black	C	C	C				
Nightshade, hairy			C				
Pennycress, field	C	C	C				
Pepperweed, virginia	C	C	C				
Plantain, broadleaf	C	C	C				
Pigweed, prostrate	C	C	C				
Pigweed, redroot	C	C	C				
Pigweed, smooth	C	C	C				
Purslane, common	C	C	C				
Radish, wild	C	C	C				
Ragweed, common	C	C	C				
Ragweed, giant*	PC	C	PC				
Russian Thistle	C	C	C				
Shepherds-purse	C	C	C				
Smartweed, Pennsylvania	C	C	C				
Spurge, toothed	C	C	C				
Sunflower, wild*		C					
Velvetleaf	C	C	C				
Waterhemp, common	C	C	C				
Waterhemp, tall	C	C	C				

C= Control      PC=Partial control\*\*\*

\* These weeds may require a postemergence application of BUCTRIL® or other appropriate postemergence herbicides.

\*\* These weeds may require the addition of a pre-emerge grass herbicide tank-mix partner, or an appropriate post-emergence herbicide application for control of late season escapes.

\*\*\*Partially controlled weeds will be stunted in growth and/or be reduced in number as compared to non-treated areas; performance may not be commercially acceptable. The degree of weed control will vary with weed size, density, spray coverage, and/or growing conditions.

### 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.

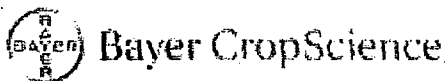
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**NET CONTENTS: 2.5 gallons**

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