

264-600

3/21/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 21 2003

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Paul A Cain Ph.D.  
Bayer CropScience  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Dear Dr. Cain:

Subject: Revised Labeling  
Balance Pro Herbicide  
EPA Registration No. 264-600  
Your Submission Dated February 7, 2003

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. If the Precautionary Statements do not appear on the front panel, add a referral statement similar to the following:

See side panel for additional precautionary statements.

b. The company name and address generally appear on the front panel. For your information, EPA's Label Review Manual is available at the following internet site:

<http://www.epa.gov/oppfod01/labeling/lrm/index.html>

c. At the beginning of the list of Personal Protective Equipment (PPE) within the Precautionary Statements, add the statements "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." In addition, revise the requirement for "waterproof gloves" to a requirement for "chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride."

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d. Within the list of PPE for early re-entry in the Agricultural Use Requirements box, revise the requirement for "waterproof gloves" to a requirement for "chemical-resistant gloves made of any waterproof material."

e. According to PR Notice 82-2, the Tank Mix directions must include statements similar to the following:

This product can be mixed with \_\_\_\_\_ (chemical name, including percentage of active ingredient and type of formulation, or specific product name, or both) for use on \_\_\_\_\_ (Crops/sites) in accordance with the more (most) restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

f. We could not locate the brand names "Field Master" and "Op-Till" in our computer data base. Assure that these products are registered for application to field corn.

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

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

If you have any questions concerning this letter, please contact Mr. James Stone at 703-305-7391.

Sincerely yours,



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

Enclosure

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### 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.

# BALANCE® PRO 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 this product. You should check with your state regulatory authority prior to use.

**ACTIVE INGREDIENT:**

Isoxaflutole\* [5-cyclopropyl-4-(2-methylsulfonyl-4-trifluoromethylbenzoyl) isoxazole] ..... 40.5%

**INERT INGREDIENTS:** ..... 59.5%

\*Product contains 4.0 pounds of isoxaflutole per gallon.

E.P.A. Reg. No. 264-600

E.P.A. Est. No. 11773-IA-1

**ACCEPTED**  
with **COMMENTS**  
In EPA Letter Dated:

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

*Delivered  
County  
1/23/12*

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If you do not understand the label, 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.)

**Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-600**

**and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577**  
**PRODUCT USE information Call 1-866-99BAYER (1-866-992-2937)**

### FIRST AID

<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 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>
<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 poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further 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. Avoid breathing vapor or spray mist.

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## PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, waterproof gloves, 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.

This chemical is known to leach through soil into shallow ground water under certain conditions as a result of agricultural use. Thus, use of this chemical 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.

## 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, waterproof gloves, 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

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

#### CONTAINER DISPOSAL

Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### RETURNABLE – REFILLABLE CONTAINERS AND BULK CONTAINERS

BALANCE® PRO Herbicide may be repackaged by Bayer CropScience or a registered establishment in accordance with a valid Bayer CropScience *BALANCE® PRO Field Load System and Micro Weigh System Use Agreement*. After use, return the container to the authorized repackaging facility for refilling or rededication according to the use agreement. **DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.** Prior to refilling, inspect thoroughly for damage such as cracks, punctures, abrasions and damaged or worn out threads on closure devices. Do not refill or transport damaged or leaking containers. Check for leaks after refilling and before transportation. If the container is not being refilled or returned to the authorized repackaging facility, triple rinse the emptied container and offer for recycling or reconditioning, or dispose of in a manner approved by state and local authorities.

### GENERAL INFORMATION

BALANCE® PRO Herbicide is formulated as a soluble concentrate of isoxaflutole at a concentration of 4 pounds of active ingredient, isoxaflutole, per gallon.

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

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

Seed corn inbreds and male pollenators within certain corn varieties, vary in their response to BALANCE® PRO Herbicide. Consult your seed company for advice **BEFORE** using BALANCE® PRO on seed corn inbreds

Adverse crop response may increase and crop recovery may be slowed when corn is grown under conditions that inhibit crop growth. Such conditions include extremely wet, cold, or dry soils; high pH, or low fertility.

Do not irrigate BALANCE® PRO 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.

### 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® PRO. Add the proper amount of BALANCE® PRO, 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® PRO is applied in a tank mixture with other pesticides, add BALANCE® PRO 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.**

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**Re-suspending SC Products in Spray Solution:** Like other suspension concentrates (SC's), BALANCE® PRO 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.

**Sprayer Cleanup:** To avoid injury or exposure to non-target crops, thoroughly clean all mixing and spray equipment, including pumps, nozzles, lines and screens with a good quality tank cleaner, on approved rinse pad or on the field site where an approved crop is to be grown.

## TANK MIXTURES

BALANCE® PRO Herbicide can be applied in tank mixture with many other pesticides registered for use on approved crops. Refer to "Tank Mix Combination" section for rate recommendations and other restrictions.

## COMPATIBILITY

If BALANCE® PRO 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 the label of each tank-mix product used for precautionary statements, directions for use, geographic and other restrictions.

## APPLICATION PROCEDURES

### APPLICATION TIMING

BALANCE® PRO Herbicide may be used in either conventional, conservation tillage, or no-till crop management systems and may be applied either preplant, preplant incorporated (less than 2" deep) or preemergence for use in field corn production. Do not apply after corn emerges or crop injury may occur.

BALANCE® PRO 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® PRO 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® PRO 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® PRO followed by Liberty®, Buctril®, or other post applied herbicides. Refer to the label of the respective sequential partner for specific use directions. Split applications can be made with 60 percent of the recommended broadcast rate applied 15 to 30 days prior to planting and the remaining 40 percent applied at planting. Total BALANCE® PRO applied should equal the rate recommended (See Rate Tables below) 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® PRO 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® PRO followed by Liberty®, Buctril®, or other post applied herbicides. Refer to the label of the respective sequential partner for specific use directions. Apply to the soil and uniformly incorporate in the top two inches of soil before planting using a finishing disc harrow, field cultivator or similar implement capable of providing uniform two inch incorporation. Do not incorporate BALANCE® PRO deeper than 2" or weed control may be reduced.

**Preplant/Preemergence Burndown:** When weeds are present at the time of treatment, a tank mixture of BALANCE® PRO 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® PRO Herbicide are present, the addition of a burndown herbicide (e.g., Gramoxone® Extra, Roundup® ULTRA™, 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 Roundup® ULTRA™, substitute a non-ionic surfactant for crop oil concentrate.

**Preemergence:** Apply BALANCE® PRO 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.

## GROUND APPLICATION

AVOID SPRAY OVERLAPS AS EXCESSIVE RATES MAY RESULT IN ADVERSE CROP RESPONSE.

Apply BALANCE® PRO 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® PRO 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. To determine these:

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

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

**RESTRICTIONS AND PRECAUTIONS FOR USE ON FIELD CORN**

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 4.5 fluid ounces of BALANCE® PRO Herbicide per acre in one season or exceed the maximum labeled rate for any given soil type.

Application of BALANCE® PRO Herbicide at less than recommended rates for the appropriate soil will only provide suppression of sensitive weeds.

BALANCE® PRO Herbicide applications to **coarse soils** with organic matter of less than 1.5% by weight or pH greater than 7.5 may cause adverse crop response.

The use of BALANCE® PRO Herbicide is not recommended on soils that have organic matter of less than 1.5% and a pH greater than 7.5.

Use on clay knolls, eroded hill sides, terracing with scraped exposed subsoil, or other areas of coarser and/or lower organic matter soils, may cause adverse crop response.

To prevent off-site movement of soil containing this product to non-target areas, do not apply BALANCE® PRO 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.

Carryover from Command® herbicide use can increase the potential for adverse crop response.

**ROTATIONAL CROP RESTRICTIONS**

Rotational crops vary in their crop response to low concentrations of BALANCE® PRO remaining in the soil. The amount of BALANCE® PRO 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® PRO 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® PRO in Corn:

Rotational Interval	Crop	Geography	Precipitation Requirement <sup>1</sup>
0 Months	Corn (Field)	All	None
4 Months	Wheat	All	None
6 Months	Soybeans, Barley, Sweetcorn, Popcorn, Potato, Grain Sorghum, and Sunflower	All	None
10 Months	Alfalfa	All	15 inches of cumulative precipitation from application to planting of rotational crop.*
10 Months	Dry Beans and Sugarbeets	East of the Mississippi River	15 inches of cumulative precipitation from application to planting of rotational crop.*
18 Months	Dry Beans and Sugarbeets	West of the Mississippi River	15 inches of cumulative precipitation from application to planting of rotational crop.*
18 Months	All other crops	ALL	15 inches of cumulative precipitation from application to planting of rotational crop.*
			*Furrow or Flood irrigation not to be included in total. No more than 7 inches of overhead irrigation included in total.

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

### SPECIFIC USE DIRECTIONS

#### BALANCE® PRO HERBICIDE APPLIED ALONE AS PART OF A PLANNED SEQUENTIAL WEED CONTROL PROGRAM

Application Timing	Amount of BALANCE® PRO 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.	> 1.5% O.M.	< 1.5% O.M.	> 1.5% O.M.	< 1.5% O.M.	> 1.5% O.M.
Early Preplant (Surface Applied or Incorporated) 8 to 30 days prior to planting	Not Recommended (See Below)*	2.25 to 3.0 fluid ounces	3.0 to 3.75 fluid ounces	3.0 to 3.75 fluid ounces	3.75 to 4.5 fluid ounces	3.75 to 4.5 fluid ounces
Preplant (Surface Applied or Incorporated) 0 to 7 days prior to planting or preemergence	Not Recommended (See Below)*	1.5 to 1.88 fluid ounces	1.88 to 2.6 fluid ounces	2.25 to 3.0 fluid ounces	2.25 to 3.0 fluid ounces	2.25 to 3.75 fluid ounces

O.M. = Organic Matter by weight

Within rate ranges in the rate tables, use the lower rate on soils that are relatively coarse-textured or low in organic matter. Use the higher rate on soils that are relatively fine-textured or high in organic matter or when the preplant application is made further from planting.

\*Use on coarse soils of less than 1.5% organic matter by weight or pH greater than 7.5 may result in adverse crop response.

\*\*When BALANCE® PRO Herbicide is applied preemergence to medium soils with a pH greater than 7.5, reduce the rate by 0.25 fluid ounce from the recommended rate.

When using BALANCE® PRO Herbicide on fields with variable soils, optimum weed control will result when overall application rate is based on the predominant soil type(s) within a field. Use on clay knolls, eroded hill sides, terracing with scraped exposed subsoil, or other areas of coarse soils with organic matter of less than 1.5% by weight, rate should be reduced to one half the rate used on the predominant soil type in the field, not to exceed one fluid ounce per acre.



### TANK MIX COMBINATIONS

**BALANCE® PRO Herbicide is recommended as the foundation herbicide in an integrated weed control program.**

Tank mix combinations may be used in either conventional, conservation tillage, or no-till cropping systems and be applied at the same timings as BALANCE® PRO 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® PRO HERBICIDE TANK MIX USE DIRECTIONS

Application Timing	Amount of BALANCE® PRO 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.	> 1.5% O.M.	< 1.5% O.M.	> 1.5% O.M.	< 1.5% O.M.	> 1.5% O.M.
Early Preplant (Surface Applied or Incorporated) 8 to 21* days prior to planting	Not Recommended (See Below)**	1.5 to 3.0 fluid ounces	2.25 to 3.75 fluid ounces	3.0 to 3.75 fluid ounces	3.75 to 4.5 fluid ounces	3.75 to 4.5 fluid ounces
Preplant (Surface Applied or Incorporated) 0 to 7 days prior to planting or preemergence	Not Recommended (See Below)**	1.5 to 1.88 fluid ounces	1.88 to 2.76 fluid ounces	2.25 to 3.0 fluid ounces	2.25 to 3.0 fluid ounces	2.25 to 3.0 fluid ounces

O.M. = Organic Matter by weight

Within rate ranges in the rate tables, use the lower rate on soils that are relatively coarse-textured or low in organic matter. Use the higher rate on soils that are relatively fine-textured or high in organic matter or when the preplant application is made further from planting.

\* BALANCE® PRO Herbicide may be applied up to 30 days prior to planting when used in a planned sequential application program such as Balance followed by Liberty, Buctril, or other post applied herbicides.

\*\*Use on coarse soils of less than 1.5% Organic Matter by weight or pH greater than 7.5 may result in adverse crop response.

\*\*\* When BALANCE® PRO Herbicide is applied preemergence to medium soils with a pH greater than 7.5, reduce the rate by 0.25 fluid ounce from the recommended rate.

When using BALANCE® PRO Herbicide on fields with variable soils, optimum weed control will result when overall application rate is based on the predominant soil type(s) within a field. Use on clay knolls, eroded hill sides, terracing with scraped exposed subsoil, or other areas of coarse soils with organic matter of less than 1.5% by weight, rate should be reduced to one half the rate used on the predominant soil type in the field, not to exceed one fluid ounce per acre.

**BALANCE MAY BE TANK-MIXED WITH THESE HERBICIDES FOR CONTROL OF CERTAIN BROADLEAF AND GRASS WEEDS IN CORN.**

Tank mixes with BALANCE® PRO Herbicide are not limited to the tank mix partners mentioned in below lists. Refer and follow the label of each tank mix partner used for precautionary statements, directions for use, geographic and other restrictions.

**TANK MIX PARTNERS NOT CONTAINING A TRIAZINE 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

SURPASS®

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TOPNOTCH®

DEFINE™ DF Herbicide

Degree™

Outlook™

**TANK MIX PARTNERS CONTAINING A TRIAZINE HERBICIDE**

Apply the following tank mix partners at one half to full rate but not to exceed 1.5 pounds total triazine when used preemergence to 7 days prior to planting. Do not exceed 2.0 pounds total triazine when used early preplant 8-21 days prior to planting. Do not exceed 1 pound total active ingredient per acre of Simazine/Princep.

Atrazine 4L

Atrazine 90 WG

BICEP® II / BICEP® Lite II / BICEP® II Magnum/ BICEP® Lite II Magnum

Bullet®

Field Master®

FULTIME®

G-Max™ Lite

GUARDSMAN®

GUARDSMAN® Max

HARNESS® Xtra

HARNESS® Xtra 5.6L

KEYSTONE™

LARIAT®

LEADOFF®

Op-Till™

SIMAZINE/PRINCEP (1 pound a.i. maximum use rate on fine and medium soils; 0.5 pound a.i. maximum use rate on coarse soils)

SURPASS® 100

Degree Xtra™

**BROADLEAF AND GRASS WEEDS  
CONTROLLED BY BALANCE® PRO HERBICIDE ALONE AND IN TANKMIXTURES FOR FIELD CORN**

Broadleaf Weeds (C = Weeds Controlled, S= Suppression)	BALANCE® PRO Alone	BALANCE® PRO plus Atrazine or Premixes containing Atrazine	BALANCE® PRO plus pre-emerge grass herbicide	Grassy Weeds (C = Weeds Controlled, S= Suppression)	BALANCE® PRO Alone	BALANCE® PRO plus Atrazine or Premixes containing Atrazine	BALANCE® PRO plus pre-emerge grass herbicide
Amaranth, Palmer	C	C	C	Barnyardgrass	C	C	C
Buffalo bur	C	C	C	Crabgrass, large	C	C	C
Burcucumber	S	S	S	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	S	C	S	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**	S	S	S
Mallow, Venice	C	C	C	Shattercane **	S	S	S
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*	S	C	S				
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				

\* 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.

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### 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.

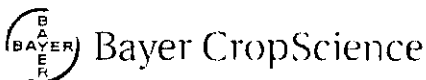
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**NET CONTENTS: 45 fluid ounces and 100 gallons**

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BALANCE PRO Herbicide (MASTER) Approved 6/10/02, Approved by Notification 2/7/03.