

79676-12

9/10/2004

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

EPA Reg.
Number:

79676-12

Date of Issuance:

09/10/2004

Term of Issuance:

Unconditional

Name of Pesticide Product:

Imazethapyr Pro
Herbicide

Name and Address of Registrant (include ZIP Code):

Gro-Pro LLC
c/o Pyxis Regulatory Consulting, Inc.
11324 17th Ave. Ct. NW
Gig Harbour, WA 98332

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 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 registered in accordance with FIFRA sec.3(c)5 provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA when the Agency requires all registrants of similar products to submit such data: and submit acceptable responses required for reevaluation of your product under FIFRA.
2. Add the phrase "EPA Registration No. 79676-12"
3. At this time, Agency policy concerning warranty statements is in review and approval of this label should not be construed as a decision by the Agency that the language is not misleading and that the warranty language may eventually have to be changed.
4. Submit three (3) copies of the final printed label for this product to the Agency prior to releasing this product for shipment.

A stamped copy of the label is enclosed for your records

Jim Tompkins, Product Manager 25
Herbicide Branch
Registration Division

Signature of Approving Official:

Date:

9-10-04

2842

Imazethapyr Pro Herbicide

For use in Alfalfa, Clover, Peas and Beans, Field Corn (Apply Only on CLEARFIELD® corn hybrids), Peanuts and Soybeans

ACTIVE INGREDIENT:

Ammonium salt of imazethapyr (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid* 22.87%

OTHER INGREDIENTS: 77.13%

TOTAL: 100.0%

*Equivalent to 21.6% (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid

1 gallon of Imazethapyr Pro Herbicide contains 2.0 pounds active ingredient as the free acid

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none">• 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 in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none">• 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 further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

See inside label booklet for additional PRECAUTIONARY STATEMENTS

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 10 2004

EPA Reg. No. 79676-

EPA Est. No.

Manufactured for:
Gro-Pro, LLC
2214 Hwy 44 West
Inverness, FL 34453

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

79676-12

Contains the same active
ingredient as Pursuit® Herbicide
by BASF Ag Products.

Net Contents:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemically 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 such as butyl rubber ≥ 4 mils, or natural rubber ≥ 4 mils, or neoprene rubber ≥ 4 mils, or nitrile rubber ≥ 4 mils
- Shoes plus socks

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.

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 PPE 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

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 washwaters.

Groundwater Advisory and Proper Handling Instructions

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 or 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 completely exclude precipitation from contact with the pad shall have a minimum containment capacity 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.

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

This product must be used in a manner that will prevent back siphoning in wells, spills or improper disposal of excess pesticide spray mixture.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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.

All applicable directions, restrictions, precautions and Conditions of Sale and Limitation of Warranty and Liability are to be followed. This labeling must be in the user's possession during application.

Observe all precautions and limitations on this label and on the labels of products used in combination with Imazethapyr Pro Herbicide. Do not use Imazethapyr Pro other than in accordance with the instructions on this label. The use of Imazethapyr Pro not in accordance with this label may result in crop injury. Keep containers closed to avoid spills and contamination.

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), notification to workers, and restricted-entry interval. 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.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- Chemical resistant gloves such as butyl rubber ≥ 4 mils, or natural rubber ≥ 4 mils, or neoprene rubber ≥ 4 mils, or nitrile rubber ≥ 4 mils
- Shoes plus socks

GENERAL INFORMATION

Imazethapyr Pro Herbicide kills weeds by root and/or foliage uptake and rapid translocation to the growing points. Adequate soil moisture is important for optimum Imazethapyr Pro activity. Imazethapyr Pro will provide residual control of susceptible germinating weeds when adequate moisture is present; activity on established weeds will depend on the weed species and the location of its root system in the soil.

Temporary yellowing and/or internode shortening may occasionally occur following applications of Imazethapyr Pro. These effects occur infrequently and are temporary. Normal appearance and growth should resume within 1 to 2 weeks.

When organo-phosphate (such as Lorsban™ 1) or carbamate insecticides are tank-mixed with Imazethapyr Pro, temporary injury may result to the treated crops.

Imazethapyr Pro, when used in accordance with label directions, is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product and therefore, rotational crop injury is always a possibility. Under some conditions (such as heavy texture soil, high organic matter, low pH or low rainfall), Imazethapyr Pro may cause injury to subsequent planted crops. Vegetable crops and particularly sugar beets are sensitive to Imazethapyr Pro residues in the soil.

Naturally occurring biotypes* of some of the weeds listed on this label may not be effectively controlled by this and/or other products with either the ALS/AHAS enzyme inhibiting mode of action. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g., Accent®, Basis®, Classic®, Harmony® GT, Spirit™, Permit®, etc.), the sulfonamides (e.g., FirstRate™, etc.) and the pyrimidyl benzoates (e.g. Staple®, etc.). If naturally occurring ALS/AHAS resistant biotypes are present in a field, Imazethapyr Pro and/or any other ALS/AHAS enzyme inhibiting mode of action herbicide should be tank mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

*A weed biotype is a naturally occurring plant within a given species that has a slightly different, but distinct, genetic makeup from other plants.

Replanting: If replanting is necessary in a field previously treated with Imazethapyr Pro, the field may be replanted to soybeans, peanuts or CLEARFIELD® corn (imidazolinone resistant/tolerant corn), lima beans or Southern peas. Rework the soil no deeper than the treated zone. Do not apply a second treatment of Imazethapyr Pro.

CLEARFIELD® CORN

Apply Imazethapyr Pro only on selected field corn hybrids (CLEARFIELD® corn) warranted by the seed company to possess resistance/tolerance to direct application of Imazethapyr Pro. Do not apply Imazethapyr Pro to corn hybrids that lack resistance/tolerance to Imazethapyr Pro. Contact your seed supplier, chemical dealer or Gro-Pro, LLC to obtain information regarding CLEARFIELD® corn hybrids.

Crops growing under stressful environmental conditions can exhibit various injury symptoms which may be more pronounced if herbicides are used. Corn plants treated with Imazethapyr Pro may exhibit yellowing on new growth. Such effects occur infrequently and are temporary. Normal growth and appearance should resume within 1 to 2 weeks.

EDIBLE LEGUME VEGETABLES

Reduced crop quality, growth, yield and/or delayed maturity may result from an Imazethapyr Pro application to edible legume vegetables. Since crop maturity may be delayed, timing of harvest may need to be adjusted accordingly. Do not apply Imazethapyr Pro if planting is delayed and chance of frost prior to maturity is likely.

Only use Imazethapyr Pro if proper agronomic practices have been utilized, including proper crop rotation, disease and insect management, good soil fertility, and tillage practices that eliminate compaction and hardpans. Plant lentils, lima beans and peas at least ½ inch deep to reduce risk of crop injury.

Do not apply Imazethapyr Pro postemergence after crop has begun to flower or crop injury may result. (Refer to specific legume vegetable crop for specific application timings recommended). Do not apply Imazethapyr Pro if cold and/or wet conditions are present or are predicted to occur within one week of application.

USE AREA RESTRICTIONS

This product is not for sale or use on Long Island in New York State.

MIXING INSTRUCTIONS

Postemergence applications of Imazethapyr Pro require the addition of an adjuvant and a fertilizer solution.

Note: Fertilizer solutions may not be used in the state of California.

Adjuvants

Crop Oil Concentrate: A vegetable seed or petroleum based oil concentrate may be used. Methylated seed oils are recommended when weeds are under moisture or temperature stress. Use methylated seed oils at the rate of 1.0% v/v (1 gallon per 100 gallons of spray solution), or use a crop oil concentrate at 1.25% v/v (1.25 gallons per 100 gallons of spray solution). **When making applications to edible legume vegetable crops, do not include a crop oil concentrate.**

OR

Surfactants: Use a non-ionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 0.25% v/v (1 quart per 100 gallons of spray solution). An organo-silicone surfactant or dry surfactant may be used in place of a non-ionic surfactant.

AND

(All States Except California)

Fertilizer Solution

Nitrogen based liquid fertilizers (such as 28%N, 32%N or 10-34-0) may be applied at the rate of 1.25 to 2.5 gallons per 100 gallons of spray solution. Use the higher rate when weeds are under temperature or moisture stress. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 12-15 lbs. per 100 gallons of spray solution.

Note: Fertilizer solution is not required in Imazethapyr Pro applications in use areas south of interstate highway 40, except in the states of Texas, New Mexico and Oklahoma.

Fill the spray tank one-half full with clean water. Use a calibrated measuring device to measure the required amount of Imazethapyr Pro. Add Imazethapyr Pro to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with water.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

If other herbicides are tank mixed with Imazethapyr Pro, add components in the following order, while agitating:

1. Fill the spray tank ½ full with clean water.
2. Add soluble packet products and thoroughly mix.
3. Add WP (wetable powder), DG (dispersible granule), DF (dry flowable) or liquid flowable formulations not in soluble packets.
4. Add Imazethapyr Pro and mix thoroughly.
5. Add other aqueous solution products.
6. Add EC (emulsifiable concentrate) products.
7. Add surfactant or crop oil to the spray tank.
8. Add liquid fertilizer.
9. While agitating, fill the remainder of the tank with water.

Drain and thoroughly clean spray equipment used for Imazethapyr Pro applications before using to apply other products to avoid injury to sensitive crops. When Imazethapyr Pro is used in combination with another herbicide, refer to the respective product label for rates, methods of application, weeds controlled,

proper timing, restrictions and precautions. Always use in accordance with the more restrictive label restrictions and precautions. No label dosages should be exceeded. Imazethapyr Pro cannot be mixed with any product bearing a label prohibiting such mixture.

SPRAYING INSTRUCTIONS

Do not apply Imazethapyr Pro when wind velocity is greater than 10 mph, or when spray may be carried to sensitive crops. Sensitive crops include, but are not limited to, leafy vegetables and sugar beets.

GROUND APPLICATIONS

Uniformly apply in 10 or more gallons of water per acre with properly calibrated ground equipment. A spray pressure of 20 to 40 psi is recommended.

Use a minimum of 20 gallons of water per acre when applying Imazethapyr Pro to minimum or no-till crops to ensure thorough coverage. Use higher gallonage for fields with dense vegetation or heavy crop residues. Adjust the boom height to ensure proper coverage of weed foliage (according to the manufacturer's recommendation). Use only flat-fan nozzle tips for postemergence applications. Avoid overlaps when spraying.

IMAZETHAPYR PRO APPLICATIONS WITH A LOW VOLUME SPRAYER

Imazethapyr Pro may be applied to soybeans with a low volume (Spra-Coupe type) sprayer. Spray the weeds before they reach the maximum size listed in this label when applying Imazethapyr Pro with a low volume sprayer. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weeds.

Apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage when applying Imazethapyr Pro with a low volume sprayer. When spraying combinations including Banvel® or dicamba containing products on CLEARFIELD® corn, do not exceed 40 psi sprayer pressure.

AERIAL APPLICATION

Imazethapyr Pro may be applied by air to crops listed in this label unless otherwise noted.

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. When applied postemergence, the addition of a non-ionic surfactant and fertilizer solution are required for optimum weed control. Apply a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray solution or a crop oil concentrate at the rate of 1.25 gallons per 100 gallons of spray solution and a liquid fertilizer at the rate of 1.25 gallons per 100 gallons of spray solution. (Refer to the APPLICATION INFORMATION – Postemergence section of this label).

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed $\frac{3}{4}$ the length of the wingspan or rotor.
2. Nozzles must always point backwards parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information** section below.

Aerial Drift Reduction Advisory Information:

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (See Wind, Temperature and Humidity, and Temperature Inversions).

Controlling Droplet Size

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Increase water volume to at least 10 gallons of water per acre if grass foliage or crop canopy is dense.
- **Pressure** – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than $\frac{3}{4}$ of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.)

Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small-suspended droplets to remain in a concentrated

cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

The applicator is responsible for any loss or damage that results from spraying Imazethapyr Pro in a manner other than recommended in this label. In addition, the applicator must follow all applicable state and local regulations and ordinances in regard to spraying.

APPLICATION INFORMATION

Postemergence

Imazethapyr Pro is effective in controlling weeds in conservation tillage as well as in conventional production systems. Unless otherwise indicated, apply Imazethapyr Pro as an early postemergence treatment when weeds are actively growing and before they exceed a height of 3 inches. Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and not crop growth stage. Apply Imazethapyr Pro to crops and weeds that are actively growing.

An adjuvant (either a surfactant or a crop oil concentrate) and a nitrogen-based fertilizer must be added to the spray solution for optimum weed control activity. See the ADJUVANTS section under MIXING INSTRUCTIONS for additional information.

Absorption will occur through both the roots and foliage when Imazethapyr Pro is applied postemergence. Susceptible weeds stop growing and either die or are not competitive with the crop. Imazethapyr Pro not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides control of susceptible weeds that may emerge after application.

Cultivate 7-10 days following a postemergence application of Imazethapyr Pro for maximum weed control. This timely cultivation will enhance residual weed control, especially under dry conditions.

Apply Imazethapyr Pro a minimum of one hour before rainfall or overhead irrigation.

Unusually cool temperatures (50°F or less) reduce photosynthesis and transpiration and thus reduce uptake, translocation, and efficacy of Imazethapyr Pro in weeds. Delaying an Imazethapyr Pro application for 48 hours from the time the temperature increases above 50°F, for 10 hours or more will improve weed control and reduce crop response.

NO-TILL/MINIMUM TILLAGE AND DOUBLE CROP SOYBEANS

Imazethapyr Pro controls existing weeds and provides residual control of most weeds when applied early postemergence to CLEARFIELD® corn or soybeans in no-till or minimum tillage and double crop soybean production systems. The application may be applied either before or after emergence of the crop. (Refer to the WEEDS CONTROLLED POSTEMERGENCE chart for weeds controlled and recommended weed size).

If Imazethapyr Pro is applied prior to emergence of the crop, and weeds exceed the recommended size, a contact herbicide should be added to Imazethapyr Pro to enhance control. (Refer to the instructions for NO-TILL OR REDUCED TILLAGE under the PREEMERGENCE section of this label).

SOIL APPLICATIONS

Imazethapyr Pro provides effective weed control in conservation tillage systems designed to meet conservation compliance requirements. Imazethapyr Pro can be applied as an early preplant, preplant incorporated, or preemergence treatment in soybeans. It can also be applied in conventional, minimum tillage and no-till production systems. The application method selected will depend on the anticipated weed spectrum and the preference of the applicator.

Adequate soil moisture is required for optimum activity. Rainfall or overhead irrigation is necessary to move Imazethapyr Pro into the weed germination zone. The amount of rainfall or irrigation required following application depends on existing soil moisture, soil texture and organic matter content. Sufficient water to moisten the soil to a depth of 2 inches is normally adequate. If adequate moisture is not received within 7 days after treatment, a cultivation is recommended to control escaped weeds. When adequate moisture is received after dry conditions, Imazethapyr Pro will provide residual control of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil.

Imazethapyr Pro controls weeds by root uptake and translocation to the growing points where it stops weed growth. Susceptible weeds may emerge, growth will stop and the weeds will either die or are not competitive with the crop.

SOIL APPLICATIONS WITH LIQUID FERTILIZERS

Imazethapyr Pro can be applied to the soil in liquid fertilizers, alone or in combination with Prowl® 3.3 EC or Outlook® to soybeans or CLEARFIELD® corn. Mixtures including trifluralin may be applied to soybeans only. Follow all Imazethapyr Pro label recommendations regarding incorporation, timing of application, special instructions and precautions. Apply treatments in 20 or more gallons of liquid fertilizer per acre with ground equipment. Always test the compatibility of Imazethapyr Pro with the liquid fertilizer before mixing in the spray tank.

PREEMERGENCE (SURFACE APPLICATIONS)

Imazethapyr Pro can be utilized in all production tillage systems. It can be applied prior to planting (up to 45 days prior to planting); at planting in conventional, reduced tillage or no-till production systems; or after planting and before crop emergence.

NO-TILL OR REDUCED TILLAGE

Apply Imazethapyr Pro treatments before, during or after planting. Use a minimum of 20 gallons of water per acre to ensure thorough coverage. Use higher gallonage for fields with dense vegetation or heavy crop residues.

Use a tank mix of Imazethapyr Pro with Prowl® 3.3 EC or Outlook® for maximum grass control. To kill existing vegetation, Gramoxone® Extra, Roundup Ultra® or 2,4-D (early preplant – refer to the 2,4-D label used for limitations) may be tank mixed with Imazethapyr Pro alone or in combination with Prowl® 3.3 EC or Outlook®. Do not add Gramoxone® Extra, Roundup Ultra® or 2,4-D to the tank mix if vegetation is absent at the time of application.

Note: Adjust planters to ensure adequate soil coverage of seed.

PREPLANT INCORPORATED APPLICATIONS

Imazethapyr Pro may be applied following land preparation and should be thoroughly incorporated to a depth of 1 to 2 inches. Apply and incorporate after bed formation using PTO-driven equipment or a

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rolling cultivator if crops are planted on beds. Maintain Imazethapyr Pro in the surface 1 to 2 inches of the finished beds. Application may be made up to 45 days prior to planting soybeans.

When Imazethapyr Pro is soil applied for control of nutsedge in peanuts, incorporate with two passes of the incorporation implement. Make the second pass at an offset angle to the first pass to minimize the potential for streaking.

FEDERAL CONSERVATION RESERVE PROGRAM AND AGRICULTURAL RESERVE PROGRAM LAND SEEDED TO FORAGE LEGUME SPECIES AND PERENNIAL FORAGE GRASSES

Imazethapyr Pro is effective in controlling many annual broadleaf and grass weeds in Conservation Reserve Programs and Agricultural Reserve Programs (Set-Aside) land seeded to forage legume or grass crops. An Imazethapyr Pro application may result in temporary reduction in growth of legumes and grasses. Plants overcome temporary effects and become well established due to reduced weed competition.

Do not graze or feed legumes or grasses following an Imazethapyr Pro application. Do not cut treated legumes or grasses for hay or forage. Do not harvest legume seed for livestock feed. Do not use seed from treated legumes for sprouting. Apply only one application of Imazethapyr Pro per year.

COVER CROPS*

Legumes: Apply to forage legumes including alfalfa, clovers, crownvetch, birdsfoot trefoil and lespedeza.

Grasses: Imazethapyr Pro may be applied to the following grasses: big bluestem, little bluestem, switchgrass, Russian wildrye, intermediate wheatgrass, crested wheatgrass, western wheatgrass, tall wheatgrass, smooth brome, canarygrass or orchardgrass.

***Note:** Cover crops may also be planted into fields previously treated with Imazethapyr Pro for weed control in soybeans. In this situation, do not make an Imazethapyr Pro application to the cover crop until the following spring.

POSTEMERGENCE APPLICATIONS OF IMAZETHAPYR PRO TO CRP COVER CROPS

Application Rate: Apply Imazethapyr Pro at the rate of 4 fluid ounces per acre.

Application Timing: Imazethapyr Pro may be applied postemergence to seedling legumes (with at least 3 fully expanded trifoliate leaves) or to established legumes. On established legumes, Imazethapyr Pro may be applied in the fall or in the spring before weeds exceed the maximum recommended size for control. Do not apply Imazethapyr Pro to seeded grasses until they have 4 leaves.

Refer to the WEEDS CONTROLLED under the SOYBEAN section of this label for additional information.

CROPS

ALFALFA AND CLOVER

Use Rate (3 to 6 ounces per acre)

Apply Imazethapyr Pro at a broadcast rate of 3 to 6 ounces per acre postemergence only.

A maximum of 0.094 lbs. a.e./A of imazethapyr (6 oz./A of Imazethapyr Pro) per year may be applied to alfalfa or clover.

In North Dakota or Minnesota north of Highway 210, do not apply more than 4 ounces of Imazethapyr Pro per acre.

Do not apply more than 4 ounces of product to alfalfa or clover during the last year of the stand.

SEEDLING ALFALFA/CLOVER

Imazethapyr Pro must be applied postemergence to seedling alfalfa or clover. Apply Imazethapyr Pro when the seedling alfalfa or clover is in the second (2nd) trifoliate stage or larger and when the majority of the weeds are 1-3 inches. For low growing weeds (such as mustards), apply Imazethapyr Pro before the rosette exceeds 3 inches. When Imazethapyr Pro is applied to seedling alfalfa or clover, there may be a temporary reduction in growth.

ESTABLISHED ALFALFA/CLOVER

Imazethapyr Pro can be applied to established alfalfa or clover in the fall, in the spring to dormant, or semi-dormant alfalfa or clover (less than 3 inches of regrowth), or between cuttings. Any application should be made before significant alfalfa or clover growth or regrowth (3 inches) to allow Imazethapyr Pro to reach the target weeds.

Replanting: If replanting is necessary in a field previously treated with Imazethapyr Pro, do not plant alfalfa or clover for 4 months following an Imazethapyr Pro application. Refer to the ROTATIONAL CROP GUIDELINE section of this label for plant-back interval of various crops.

PREHARVEST INTERVAL

Do not graze, feed or harvest alfalfa or clover for 30 days following an application of Imazethapyr Pro to alfalfa or clover.

WEEDS CONTROLLED

When applied as directed, Imazethapyr Pro will control or reduce competition from the weeds listed below. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

Note: S = Reduced Competition

Weeds noted with an "S" will be suppressed by Imazethapyr Pro. For best results, apply before the weeds exceed the size indicated below.

BROADLEAF WEEDS CONTROLLED			
Weeds Controlled	Imazethapyr Pro Application Rate		
	3 oz/A	4 oz/A	6 oz/A
	Maximum Weed Size (inches)		
Artichoke, Jerusalem	S	6	8
Beets, wild	4	5	6
Bedstraw, Catchweed		3	4
Buckwheat, wild		3	4
Chickweed,			
common	S	3	4
mouseear	S	3	3
Cocklebur, common	S	8	8
Cress, hoary		S	S
Dandelion		S	S(5)
Dock,			
broadleaf (seedling)			S(6)
curly (seedling)			S(6)
Dodder			S*
Fiddleneck			S(4)
Filaree,			
redstem		S	3
whitestem		S	3

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BROADLEAF WEEDS CONTROLLED			
Weeds Controlled	Imazethapyr Pro Application Rate		
	3 oz/A	4 oz/A	6 oz/A
	Maximum Weed Size (inches)		
Fleabane, rough		3	3
Flixweed	S	3	4
Goosefoot, Nettleleaf	S	3	4
Groundsel, common			S(3)
Henbit		S	3
Jimsonweed		3	4
Knotweed, prostrate		S	3
Kochia (non-ALS resistant)	S	3	3
Lambsquarter,			
common (1-2 leaves)		S	S(2)
Lettuce, miners		3	4
Mallow,			
common		3	3
little		3	3
Marshelder		4	6
Morningglory,			
entireleaf		S	3
ivyleaf		S	3
pitted		S	3
smallflower	S	3	4
tall		S	3
Mustards,			
tumble	3	3	4
wild	3	3	4
black	3	3	4
Nettle, burning		3	4
Nightshade,			
black	3	3	4
Eastern black	3	3	4
hairy	3	3	4
Oxtongue, bristly			S(3)
Pennycress, field	3	3	4
Pepperweed,			
field	3	3	4
Virginia	S	3	3
Pigweed,			
redroot	4	6	8
smooth	4	6	8
spiny		6	8
Radish, wild		S-	4
Ragweed,			
common		2	3
giant		3	3
Redmaids		3	4
Rocket,			

BROADLEAF WEEDS CONTROLLED			
Weeds Controlled	Imazethapyr Pro Application Rate		
	3 oz/A	4 oz/A	6 oz/A
	Maximum Weed Size (inches)		
London	3	4	6
yellow	S	3	4
Rockpurslane, desert			3
Shepherdspurse	3	3	4
Smartweed,			
ladysthumb	S	3	4
Pennsylvania	S	3	4
swamp (seedling)		3	4
Spurge,			
prostrate		S	3
spotted		S	3
petty		3	4
Spurry, corn		3	3
Sunflower, common	S	4	6
Swinecress		3	3
Tansymustard,			
green	3	3	4
pinnate	3	3	4
Thistle, Russian	S	3	3
Velvetleaf	S	3	4
Watercress, creeping		2	3
Watercress		3	3
Willowweed, panicle		3	3

*For best results in suppressing dodder (*cuscuta* spp.), apply Imazethapyr Pro with crop oil concentrate or methylated seed oil after dodder has emerged but prior to or soon after attachment.

GRASSES AND SEDGES CONTROLLED		
Weeds Controlled*	Imazethapyr Pro Application Rate	
	4 oz/A	6 oz/A
	Maximum Weed Size (inches)	
Barnyardgrass	S	3
Bluegrass, annual		S(3)
Canarygrass, littleseed	S	S(3)
Cereals, volunteer		
barley	S	S(4)
oats	S	S(4)
wheat	S	S(4)
Crabgrass,		
large	S	3
smooth	S	3
Cupgrass, woolly**	3	3
Foxtail,		
giant	6	6
green	3	4
yellow	3	3

GRASSES AND SEDGES CONTROLLED		
Weeds Controlled*	Imazethapyr Pro Application Rate	
	4 oz/A	6 oz/A
	Maximum Weed Size (inches)	
Johnsongrass,		
seedling	8	8
rhizome	S	S(6-12)
Millet, wild proso	S	3
Nutsedge,		
yellow	S	S(6)
purple	S	S(6)
Oats, wild	S	S(4)
Rice, red	3	4
Shattercane	8	10
Signalgrass, broadleaf	S	8
Quackgrass***		S(7)

*Imazethapyr Pro is active against many grass species. However, when heavy grass pressure is anticipated, use Imazethapyr Pro in a sequential application with a registered postemergence grass herbicide such as Poast Plus® for optimum control.

** Imazethapyr Pro will only control emerged woolly cupgrass.

***Quackgrass will be suppressed only when actively growing and before it exceeds 7 inches in height.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

To control weeds not specifically listed on the Imazethapyr Pro label, herbicides such as Buctril®, 2,4-DB, Poast®, Poast Plus®, Prism® or Select® may be tank mixed with Imazethapyr Pro. When Imazethapyr Pro is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label restrictions and precautions. No label dosages should be exceeded.

APPLICATION INFORMATION

Imazethapyr Pro is effective in controlling a broad spectrum of broadleaf and grass weeds. Alfalfa and clover are tolerant to postemergence applications of Imazethapyr Pro after the second trifoliate leaf has expanded. Minor height reduction or slight leaf yellowing may occur soon after application.

Apply Imazethapyr Pro as an early postemergence treatment when the weeds are actively growing. Weeds are generally easier to control before they exceed 3 inches in height. Weeds under stress are less susceptible to control in cold or drought stress conditions.

Temporary stunting and yellowing of the crop may occur if applied to alfalfa or clover under cool conditions (40°F or less).

STAND ESTABLISHMENT

Apply Imazethapyr Pro after alfalfa or clover has 2 fully expanded trifoliate leaves. Weeds must not exceed the size listed in the WEEDS CONTROLLED tables. Imazethapyr Pro may be applied to summer, fall or spring seeded alfalfa or clover.

Inter-seeded Oats

Oats inter-seeded with alfalfa or clover will reduce soil erosion and allow the alfalfa or clover to establish. However, oats can compete with the alfalfa or clover. An application of Imazethapyr Pro will kill or significantly reduce the growth of the oats and allow the alfalfa or clover to establish with minimal erosion or competition from the oats. Apply Imazethapyr Pro to the oats when the oats have 3-4 leaves.

ESTABLISHED ALFALFA/CLOVER - DORMANT

Apply Imazethapyr Pro to dormant alfalfa or clover in the fall following the last cutting. Imazethapyr Pro may also be applied in the spring to dormant alfalfa or clover, or as alfalfa or clover breaks dormancy. Apply spring treatments prior to excessive alfalfa or clover growth (less than 3 inches), to reduce spray interference.

ESTABLISHED ALFALFA/CLOVER - GROWING

For weed control during the season, apply Imazethapyr Pro following alfalfa or clover cutting. Remove the hay from the field and apply Imazethapyr Pro prior to excessive alfalfa or clover regrowth.

Perennial Grass Suppression

If perennial grasses such as orchardgrass, fescues, bromes, or timothy are present in an alfalfa or clover stand, Imazethapyr Pro will reduce the growth and competitive effect of the grass.

CLEARFIELD® CORN

(Not for use in California)

Use Rate (4 ounces per acre)

Apply Imazethapyr Pro at a broadcast rate of 4 ounces per acre (1/4 pint) for all methods of application: early preplant, preplant incorporated, preemergence, and postemergence (including minimum and no-till). At this broadcast rate, one-gallon of Imazethapyr Pro will treat 32 acres of CLEARFIELD® corn.

Note: Only one application of Imazethapyr Pro may be made during the season.

A maximum of 0.063 lbs. a.e./A of imazethapyr (4 oz./A of Imazethapyr Pro) per year may be applied to CLEARFIELD® corn.

WEEDS CONTROLLED

Imazethapyr Pro will control or reduce competition from the weeds listed below. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

Note: C = Control, S = Reduced Competition

(The number under Maximum Leaf Stage indicates the maximum number of leaves at which weeds should be sprayed postemergence).

Weeds Controlled	BROADLEAF WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Alligator weed		4	1-3
Anoda, spurred	C	2	1-2
Artichoke, Jerusalem		8	6-10
Buffalobur	C*	S	1-3
Bristly starbur		2	1-2
Carpetweed	C		
Cocklebur, common	S	8	1-8
Galinsoga	C		
Jimsonweed	C*	4	1-3
Kochia (non-ALS resistant)	C	4	1-3
Lambsquarters, common	C*	S	1-2
Mallow, Venice	S		
Marshelder	C	4	1-3

Weeds Controlled	BROADLEAF WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Morningglory,			
entireleaf	S	2	1-2
ivyleaf	S	2	1-2
pitted	S	2	1-2
smallflower	C	4	1-3
tall	S	2	1-2
Mustard sp.	C	4	1-3
Nightshade,			
black	C	4	1-3
Eastern black	C	4	1-3
hairy	C	4	1-3
Pigweed,			
redroot	C	8	1-8
smooth	C	8	1-8
spiny	C	8	1-8
Poinsettia, wild	C		
Puncturevine	C		
Purslane, common	C		
Pusley, Florida	C		
Sida, prickly	C*		
Ragweed,			
common	S	4	1-3
giant	S	4	1-3
Sage, barnyard		S	1-3
Smartweed,			
ladysthumb	C	4	1-3
Pennsylvania	C	4	1-3
Spurge,			
prostrate	C	4	1-3
spotted	C	4	1-3
Sunflower	C*	4	1-3
Thistle, Canada		S	1-3
Velvetleaf	C*	4	1-3

*These weeds are more consistently controlled by preplant incorporated treatments when Imazethapyr Pro is soil applied.

DO NOT count cotyledon leaves when determining weed stage of growth.

Weeds Controlled**	GRASS WEEDS*		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Barnyardgrass	S	3	1-3
Crabgrass,			
large	S	3	1-3
smooth	S	3	1-3
Cupgrass, woolly		3	1-3
Foxtail,			

Weeds Controlled**	GRASS WEEDS*		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
giant	C	6	1-6
green	C	3	1-3
yellow	C	3	1-3
Goosegrass	S		
Johnsongrass,			
seedling	C	6	1-8
rhizome		S	6-12
Millet, wild proso	S	S	1-3
Panicum,			
fall	S		
Texas	S		
Red rice		3	1-3
Sandbur, field	S	S	<1
Shattercane	S	6	1-8
Signalgrass, broadleaf	S	4	1-8
Sorghum alnum	S	6	1-3
SEDGES			
Nutsedge,			
purple	S	S	1-3
yellow	S	S	1-3

*Preplant incorporated treatments of Imazethapyr Pro are more consistent for grass control.

** Imazethapyr Pro controls many grass species. When heavy grass pressure is anticipated, a soil applied grass herbicide underlay (such as Prowl® or Outlook®) is recommended for optimum control. Do not incorporate Prowl® 3.3 EC herbicide; apply preemergence or early postemergence only. Imazethapyr Pro may also be used in sequential programs with registered burndown herbicides and/or soil applied atrazine-containing products.

TANK MIXTURE HERBICIDE COMBINATIONS WITH IMAZETHAPYR PRO (Postemergence)

Accent® ¹	Clarity®*,***
Atrazine®,**	Metolachlor
Banvel®*,***	Marksman®*
Basagran®*	Outlook®
Buctril®*,**	Prowl® 3.3 EC

¹If Accent® is used in combination with Imazethapyr Pro on Pioneer imidazolinone-resistant (IR) corn, any registered soil insecticide applications may be used.

If Imazethapyr Pro plus Accent® tank mixtures are used on imidazolinone-tolerant (IT) hybrids, do not use Counter® 15G. Other registered organophosphate insecticides such as Counter® CR (banded applications only) or Thimet® or other registered carbamates or pyrethroid insecticides may be used when Imazethapyr Pro plus Accent® tank mixtures are applied to IT corn hybrids.

*In some cases the grass activity of Imazethapyr Pro will be reduced when used in combination with atrazine, Buctril®, Banvel®, Basagran®, Clarity®, or Marksman®.

**Some corn leaf burn may result with Buctril® or atrazine postemergence combinations with Imazethapyr Pro.

***Applications of Banvel® or Clarity® herbicide to corn during periods of rapid growth may result in temporary leaning.

Do not use crop oil concentrates as adjuvants in Imazethapyr Pro combinations with Buctril®.

Imazethapyr Pro is active against many broadleaf and grass weed species. However, for long term weed management, alternate mode of action herbicides are recommended with Imazethapyr Pro. The application of a soil applied grass herbicide underlay will control grass weeds not on the Imazethapyr Pro label and enhance the control of certain broadleaf weeds such as common lambsquarters.

Refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions and precautions when Imazethapyr Pro is used in combination with another herbicide. Always use in accordance with the more restrictive label restrictions and precautions. No label dosages should be exceeded. Imazethapyr Pro cannot be mixed with any product containing a label prohibiting such mixtures.

APPLICATIONS TO CLEARFIELD® CORN IN NORTH DAKOTA AND MINNESOTA (North of Highway 210)

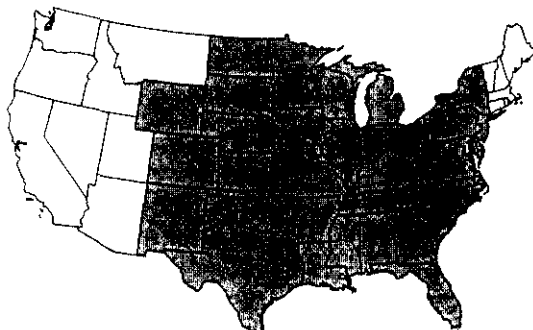
Application Rate: Apply Imazethapyr Pro postemergence only at 3 ounces per acre.

Weeds Controlled	POSTEMERGENCE	
	Maximum Leaf Stage	Size (Inches)
Kochia (non-ALS resistant)	4	1-3
Mustard, species	4	1-3
Nightshade,		
black	4	1-3
Eastern black	4	1-3
hairy	4	1-3
Pigweed, redroot	4	1-4
Wild oats*	3	1-4

* Imazethapyr Pro will reduce competition from wild oats.

NAVY, GREAT NORTHERN, RED KIDNEY, BLACK TURTLE, CRANBERRY, PINTO, LIMA, AND SMALL WHITE TYPE DRY BEANS, LENTILS, WHITE LUPINS, CHICKPEAS (GARBANZO BEANS), DRY EDIBLE PEAS, ENGLISH AND SOUTHER PEAS

For use in the states east of and including: North Dakota, South Dakota, Wyoming, Colorado, and New Mexico (except the states east of and including: Vermont, Massachusetts, and Connecticut). Refer to the map below for geographical use area.



Do not make more than one application of Imazethapyr Pro per year.

A maximum of 0.063 lb. a.e./A of imazethapyr (4 oz./A of Imazethapyr Pro) per year may be applied to peas and beans in this region.

Use only nonionic surfactants as a spray additive for postemergence applications. Do not use crop oils, methylated seed oils, or petroleum oils.

Allow at least 30 days between application and harvest of succulent lima beans, English peas and Southern peas. Allow at least 60 days between application and harvest of dry edible peas, lentils, chickpeas, and other dry bean or pea types listed on this label.

Do not apply Imazethapyr Pro postemergence before crop has at least one trifoliate leaf or peas are at least three inches in height or crop injury (reduced crop growth and/or delayed maturity) may result. Do not apply Imazethapyr Pro postemergence to lima beans, lentils, white lupins, or chickpeas.

Do not apply to Domino variety black turtle beans.

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

Pinto varieties UI-111 and Olathe are more sensitive to Imazethapyr Pro than other varieties.

APPLICATION INSTRUCTIONS

NAVY, GREAT NORTHERN, RED KIDNEY, BLACK TURTLE, CRANBERRY, PINTO, AND SMALL WHITE DRY BEANS, DRY EDIBLE PEAS, ENGLISH AND SOUTHERN PEAS

In Michigan or the Delaware, Maryland, and Virginia (DelMarVa) peninsula: Do not apply more than 2 ounces of Imazethapyr Pro to sands or loamy sand soils.

In North Dakota or north of Highway 210 in Minnesota: Do not apply more than 2 ounces of Imazethapyr Pro.

Preplant Incorporated Applications: Apply Imazethapyr Pro at a broadcast rate up to 3 ounces per acre to dry beans (navy, great northern, red kidney, black turtle, cranberry, pinto and small white type dry beans), dry edible peas and English peas, or up to 4 ounces per acre for southern peas only, within 1 week before planting. When Imazethapyr Pro is applied preplant incorporated, a tank mixture with a registered grass herbicide may be used.

Preemergence Applications: Apply Imazethapyr Pro at a broadcast rate of up to 3 ounces per acre to dry beans, dry edible peas and English peas, or up to 4 ounces per acre for southern peas only, immediately after or up to 3 days after planting. Imazethapyr Pro may be applied in a tank mix with a registered grass herbicide or applied preemergence following a preplant incorporated application of a registered grass herbicide.

Early Postemergence Applications: Apply Imazethapyr Pro at a broadcast rate of up to 3 ounces per acre to dry beans, dry edible peas, and English peas, or up to 4 ounces per acre for southern peas only. Apply to dry beans with at least one fully expanded trifoliate leaf. Apply to dry edible peas, English peas, and southern peas at least 3 inches in height but prior to 5 nodes and before flowering. The use of trifluralin prior to an Imazethapyr Pro application may increase the likelihood and severity of crop injury. A nonionic surfactant must be added to the spray solution. The nonionic surfactant must contain at least 80% active ingredient and should be used at a rate of 2 pints per 100 gallons of spray mixture.

Basagran® may be tank mixed with Imazethapyr Pro to control weeds not listed on the Imazethapyr Pro label. The addition of Basagran® may also cause antagonism, reducing control of grass weeds. Nitrogen based fertilizer may be included as a spray additive only when Imazethapyr Pro is tank mixed with Basagran®. Refer to the Basagran® label for proper application rates and restrictions. Always use in accordance with the more restrictive label restrictions and precautions.

LIMA BEANS, CHICKPEAS (GARBANZOS), LENTILS AND WHITE LUPINS

Do not apply Imazethapyr Pro to white lupins grown on sand or loamy sand soils.

In Michigan or the Delaware, Maryland, and Virginia (DelMarVa) peninsula: Do not apply more than 2 ounces of Imazethapyr Pro to sands or loamy sand soils.

In North Dakota or north of Highway 210 in Minnesota: Do not apply more than 2 ounces of Imazethapyr Pro.

Preplant Incorporated Applications: Apply Imazethapyr Pro at a broadcast rate up to 3 ounces per acre within 1 week before planting. Applied preplant incorporated, Imazethapyr Pro may be tank mixed with a registered grass herbicide.

Preemergence Applications: Apply Imazethapyr Pro at a broadcast rate of up to 3 ounces per acre immediately after or up to 3 days after planting. Imazethapyr Pro may be applied in a tank mix with a registered grass herbicide or applied preemergence following a preplant incorporated application of a registered grass herbicide.

WEEDS CONTROLLED

Imazethapyr Pro applied at a broadcast rate of 2 ounces per acre preplant incorporated, preemergence, or early postemergence will control:

Mustard, wild
Nightshade, black*
Nightshade, Eastern black*

*Suppression only

Imazethapyr Pro applied at a broadcast rate of 3 ounces per acre preplant incorporated, preemergence, or early postemergence will control:

Mustard, wild
Nightshade, black
Nightshade, Eastern black
Nightshade, hairy
Pigweed, redroot

Postemergence applications of 3 ounces per acre must be made to weeds less than 2 inches tall for best results.

When applied as directed at the broadcast rate of 4 ounces per acre (for southern peas only), Imazethapyr Pro will control or reduce competition from the weeds listed below:

Note: C = Control, S = Reduced Competition

(The number under Maximum Leaf Stage indicates the maximum number of leaves at which weeds should be sprayed postemergence).

Weeds Controlled	BROADLEAF WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Anoda, spurred	C	2	1-2
Artichoke, Jerusalem		8	6-10
Buffalobur	C*		
Bristly starbur		2	1-2
Carpetweed	C		
Cocklebur, common	C*	8	1-8
Galinsoga	C		

Weeds Controlled	BROADLEAF WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Jimsonweed	C**	4	1-3
Kochia (non-ALS resistant)	C	4	1-3
Lambsquarters	C**	S	1-2
Mallow, Venice	S		
Marshelder	C	4	1-3
Morningglory,			
entireleaf	S	2	1-2
ivyleaf	S	2	1-2
pitted	S	2	1-2
smallflower	C	4	1-3
tall	S	2	1-2
Mustard sp.	C	4	1-3
Nightshade,			
black	C	4	1-3
Eastern black	C	4	1-3
hairy	C	4	1-3
Pigweed,			
redroot	C	4	1-4
smooth	C	4	1-4
spiny	C	4	1-4
Poinsettia, wild	C		
Puncturevine	C		
Purslane, common	C		
Pusley, Florida	C		
Sida, prickly	C**		
Ragweed,			
common	S	4	1-3
giant	S	4	1-3
Sage, barnyard		S	1-3
Smartweed,			
ladysthumb	C	4	1-3
Pennsylvania	C	4	1-3
Spurge,			
prostrate	C	4	1-3
spotted	C	4	1-3
Sunflower, common	C**	4	1-3
Thistle, Canada		S	1-3
Velvetleaf	C**	4	1-3

*Use soil applications for light to moderate infestations only. Must be preplant incorporated for best results.

**When soil applied, common lambsquarters, jimsonweed, prickly sida, velvetleaf and common sunflower are more consistently controlled by preplant incorporated treatments.

Weeds Controlled	GRASS WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)

Weeds Controlled	GRASS WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Barnyardgrass	S	3	1-3
Crabgrass,			
large	S	3	1-3
smooth	S	3	1-3
Cupgrass, woolly		3**	1-3
Foxtail,			
giant	C	6	1-6
green	C	3	1-3
robust purple	C	3	1-3
robust white	C	3	1-3
yellow	C	3	1-3
Goosegrass	S		
Johnsongrass,			
seedling	C	6	1-8
rhizome		S	1-8
Panicum,			
fall	S		
Texas	S		
Red rice		3	1-3
Shattercane	S	6	1-8
Signalgrass, broadleaf	S	4	1-8
SEDGES			
Nutsedge,			
purple	S	S	1-3
yellow	S	S	

*When soil applied to grasses, more consistent control can be obtained from preplant incorporated treatments.

** Imazethapyr Pro controls emerged woolly cupgrass only.

Do not count cotyledon leaves when determining weed stage of growth.

Refer to the PRECAUTIONS section for additional information.

RED KIDNEY BEANS

For use in California only.

APPLICATION RATE AND TIMING

Postemergence Applications: Apply Imazethapyr Pro at the rate of 3 ounces per acre. A non-ionic surfactant containing at least 80% active ingredient must be added to the spray solution and should be used at a rate of 2 pints per 100 gallons of spray mixture.

Make applications of Imazethapyr Pro when weeds are actively growing and red kidney beans have at least 1 fully expanded trifoliate leaf. Do not apply Imazethapyr Pro postemergence when the crop and weeds have been subjected to stress conditions such as temperature or moisture extremes.

Cultivate 7-10 days following a postemergence Imazethapyr Pro application for maximum weed control. Cultivation during this time period will enhance residual weed control, especially under dry conditions.

- Do not apply by aerial application.

- A maximum of 0.047 lb. a.e./A of imazethapyr (3 oz./A of Imazethapyr Pro) per year may be applied to red kidney beans.
- Do not make more than one application of Imazethapyr Pro per year.
- Do not apply Imazethapyr Pro postemergence before crop has at least one true leaf or crop injury (reduced crop growth and/or delayed maturity) may result.

WEEDS CONTROLLED

When applied as directed, Imazethapyr Pro will control or reduce competition from the weeds listed below. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

(The number under Maximum Leaf Stage indicates the maximum number of leaves at which weeds should be sprayed postemergence).

Weeds Controlled	WEEDS	
	POSTEMERGENCE	
	Maximum Leaf Stage	Size (Inches)
Kochia (non-ALS resistant)	4	1-3
Mustard, wild	4	1-3
Nightshade,		
black	4	1-3
Eastern black	4	1-3
hairy	4	1-2
Pigweed,		
redroot	4	1-3

Allow at least 60 days between application and harvest.

Refer to the PRECAUTIONS section for additional instructions.

SNAP BEANS

For use in the states of Alabama, Florida, Georgia, Illinois, Minnesota, Michigan, New Jersey, and Wisconsin.

- Do not apply by aerial application.
- Do not apply Imazethapyr Pro after July 31 (June 20th in New Jersey).
- Do not make more than one application of Imazethapyr Pro per year.
- Allow at least 30 days between application and harvest.
- A maximum of 0.023 lb. a.e./A of imazethapyr (1.5 oz./A of Imazethapyr Pro) per year may be applied to snap beans.
- Refer to the PRECAUTIONS section for additional instructions.

APPLICATION INSTRUCTIONS

Preplant Incorporated Applications: Apply Imazethapyr Pro at the rate of 1.5 ounces per acre within 1 week of planting. Applied preplant incorporated, Imazethapyr Pro may be tank mixed with a registered grass herbicide.

Preemergence Applications: Apply Imazethapyr Pro at the broadcast rate of 1.5 ounces per acre immediately after, or up to 1 day after planting. Imazethapyr Pro may be applied in a tank mix with a registered grass herbicide or applied preemergence following a preplant incorporated application of a registered grass herbicide.

WEEDS SUPPRESSED

Imazethapyr Pro applied at the broadcast rate of 1.5 oz/A preplant incorporated or preemergence will suppress or reduce competition from the following weeds:

Common purslane
 Eastern Black Nightshade
 Redroot Pigweed
 Wild Mustard

SNAP BEANS

For use in the states of Arkansas, Missouri, Oklahoma, Texas (counties of Bailey, Castro, Lamb and Parmer only) and New Mexico (counties of Curry and Roosevelt only).

- Do not apply by aerial application.
- Do not apply Imazethapyr Pro after July 31.
- Do not make more than one application of Imazethapyr Pro per year.
- Allow at least 30 days between application and harvest.
- A maximum of 0.023 lb. a.e./A of imazethapyr (1.5 oz./A of Imazethapyr Pro) per year may be applied to snap beans.
- Refer to the PRECAUTIONS section for additional instructions.

APPLICATION INSTRUCTIONS

Postemergence Applications: Apply Imazethapyr Pro at the rate of 1.5 ounces per acre in a tank mix combination with Basagran®. A non-ionic surfactant containing at least 80% active ingredient must be added to the spray solution and should be used at a rate of 2 pints per 100 gallons of spray mixture. Refer to the Basagran® label for proper application rates and restrictions.

Do not apply Imazethapyr Pro postemergence before crop has at least one true leaf or crop injury (reduced crop growth and/or delayed maturity) may result.

WEEDS SUPPRESSED

Imazethapyr Pro applied at the broadcast rate of 1.5 oz/A postemergence will suppress or reduce competition from the following weeds:

Eastern Black Nightshade
 Redroot Pigweed

SUCCULENT PEAS, DRY EDIBLE PEAS, LENTILS, CHICKPEAS, AND LIMA BEANS

For use in the states of Idaho, Montana, Nevada, Oregon, Utah, and Washington.

- Allow at least 60 days between application and harvest for dry edible peas, chickpeas, lentils and dry lima beans.
- Allow at least 30 days between application and harvest for succulent peas and succulent lima beans.
- A maximum of 0.047 lb. a.e./A of imazethapyr (3 oz./A of Imazethapyr Pro) per year may be applied to peas and beans in this region.
- Do not make more than one application of Imazethapyr Pro per year.
- Refer to the PRECAUTIONS section for additional instructions.

APPLICATION RATE AND TIMING

Preplant Applications for No-Till and Minimum Tillage Systems Only:

Apply Imazethapyr Pro at a broadcast rate of 3 ounces per acre within 30 days before planting. If incorporated, do not incorporate deeper than 3 inches.

In no-till and minimum tillage systems, Imazethapyr Pro may be applied in the fall prior to spring planting. Rainfall is required for incorporation and activation. Unpredictable weed control can be expected since factors such as length of time between applications and planting, as well as uncontrollable weather factors will determine the herbicide activity and longevity. Apply Imazethapyr Pro in the fall when soil temperature at the 4-inch depth is less than 55°F and before the ground is frozen.

Preplant Incorporated Applications: Apply Imazethapyr Pro at the broadcast rate of 3 ounces per acre within 1 week before planting. Do not incorporate deeper than 3 inches.

Preemergence Applications: Apply Imazethapyr Pro at the broadcast rate of 3 ounces per acre after planting, but prior to crop emergence.

Imazethapyr Pro may be tank mixed with Sencor® DF to assist in the control of lambsquarters or mayweed-chamomile (dogfennel). Refer to the Sencor® label for proper application rates and instructions.

Postemergence Applications (Dry Edible Peas Only): Apply Imazethapyr Pro at 2 ounces per acre. A nonionic surfactant containing at least 80% active ingredient must be added to the spray solution and should be used at a rate of 2 pints per 100 gallons of spray mixture.

Basagran® may be tank mixed with Imazethapyr Pro to control weeds not listed on the Imazethapyr Pro label. The addition of Basagran® may cause antagonism, reducing control of grass weeds. Nitrogen-based fertilizer may be included as a spray additive only when Imazethapyr Pro is tank mixed with Basagran®. Use liquid fertilizer at 1.25 to 2.5 gallons per 100 gallons of spray solution or ammonium sulfate at the rate of 12-15 lbs./100 gallons of spray solution.

Do not apply Imazethapyr Pro postemergence before crop has at least one trifoliate leaf or peas are at least three inches in height or crop injury (reduced crop growth and/or delayed maturity) may result. Do not apply Imazethapyr Pro postemergence to lima beans, lentils, or chickpeas.

WEEDS CONTROLLED		
Imazethapyr Pro applied PPI and/or Preemergence at 3 oz./A will control		
Weeds Controlled	Preplant Incorporated	Preemergence
Buckwheat, wild	C	C
Kochia (non-ALS resistant)	C	C
Lambsquarters, common	C	
Mustard, wild	C	C
Nightshade,		
black	C	C
Eastern black	C	C
hairy	C	C
Pigweed, redroot	C	C
Shepherdspurse	C	C
Thistle, Russian	C	C

Note: C = Control

Imazethapyr Pro applied postemergence at the broadcast rate of 2 ounces will control:

Wild mustard
 Black nightshade*
 Eastern black nightshade*
 Hairy nightshade*

*Suppression only

CHICKPEAS

For use in the states of Arizona and California.

- Allow at least 60 days between application and harvest for dry chickpeas.
- Allow at least 30 days between application and harvest of succulent chickpeas.
- A maximum of 0.047 lb. a.e./A of imazethapyr (3 oz./A of Imazethapyr Pro) per year may be applied to chickpeas in this region.
- Do not make more than one application of Imazethapyr Pro per year.
- Refer to the PRECAUTIONS section for additional instructions.

APPLICATION RATE AND TIMING

Preplant Incorporated Applications: Apply Imazethapyr Pro at the broadcast rate of up to 3 ounces per acre within 1 week before planting. Applied preplant incorporated, Imazethapyr Pro may be tank mixed with a registered grass herbicide.

Preemergence Applications: Apply Imazethapyr Pro at the broadcast rate of up to 3 ounces per acre immediately after or up to 3 days after planting. Imazethapyr Pro may be applied in a tank mix with a registered grass herbicide or applied preemergence following a preplant incorporated application of a registered grass herbicide.

WEEDS CONTROLLED		
Weeds Controlled	Preplant Incorporated	Preemergence
Buckwheat, wild	C	C
Kochia (non-ALS resistant)	C	C
Lambsquarters, common	C	
Mustard, wild	C	C
Nightshade,		
black	C	C
Eastern black	C	C
hairy	C	C
Pigweed, redroot	C	C
Shepherdspurse	C	C
Thistle, Russian	C	C

Note: C = Control

PEANUTS

Use Rate: 4 ounces per acre

Not for use in California

Apply Imazethapyr Pro at a broadcast rate of 4 ounces per acre for all methods of application (except sequential – see below): preplant incorporated, preemergence, ground-cracking and postemergence. One gallon of Imazethapyr Pro will treat 32 acres of peanuts at the 4-ounce per acre broadcast rate.

Imazethapyr Pro may also be applied in a sequential application. Apply 2 ounces in a soil application (preplant incorporated or preemergence) followed by 2 ounces applied at ground-crack or postemergence.

A maximum of 0.063 lb. a.e./A of imazethapyr (4 oz./A of Imazethapyr Pro) per year may be applied to peanuts.

Note: In Arizona, use only in Yuma and La Paz counties.

WEEDS CONTROLLED

Imazethapyr Pro will control or reduce competition from the weeds listed below. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

Note: C = Control, S = Reduced Competition

(The number under Maximum Leaf Stage indicates the maximum number of leaves at which weeds should be sprayed postemergence).

Weeds Controlled	BROADLEAF WEEDS			
	SOIL APPLIED	AT-CRACK	POSTEMERGENCE	
			Maximum Leaf Stage	Size (Inches)
Alligator weed		C	4	1-3
Anoda, spurred	C	C	2	1-2
Buffalobur	C*	C	S	1-3
Bristly Starbur			2	1-2
Carpetweed	C	C		
Cocklebur, common	S	C	8	1-8
Devilsclaw	C	C		
Galinsoga	C	C		
Jimsonweed	C*	C	4	1-3
Lambsquarters, common	C*	C	S	1-2
Morningglory,				
entireleaf	S	C	2	1-2
ivyleaf	S	C	2	1-2
pitted	S	C	2	1-2
smallflower	C	C	4	1-3
tall	S	C	2	1-2
Mustard sp.	C	C	4	1-3
Nightshade,				
black	C	C	4	1-3
Eastern black	C	C	4	1-3
hairy	C	C	4	1-3
Pigweed,				
redroot	C	C	8	1-8
smooth	C	C	8	1-8
spiny	C	C	8	1-8
Poinsettia, wild	C	C		
Puncturevine	C	C		
Purslane, common	C	C		
Pusley, Florida	C	C		
Ragweed,				
common	S	S	4	1-3
giant	S	S	4	1-3
Sida, prickly (teaweed)	C*	C		
Smartweed,				
ladysthumb	C	C	4	1-3

Weeds Controlled	BROADLEAF WEEDS			
	SOIL APPLIED	AT-CRACK	POSTEMERGENCE	
			Maximum Leaf Stage	Size (Inches)
Pennsylvania	C	C	4	1-3
Spurge,				
prostrate	C	C	4	1-3
spotted	C	C	4	1-3
toothed	C	C		
Sunflower	C*	C	4	1-3
Velvetleaf	C*	C	4	1-3

*These weeds are more consistently controlled by preplant incorporated treatments when Imazethapyr Pro is soil applied.

Weeds Controlled	GRASS WEEDS			
	SOIL APPLIED	AT-CRACK	POSTEMERGENCE	
			Maximum Leaf Stage	Size (Inches)
Barnyardgrass	S	S	3	1-3
Crabgrass,				
large	S	C	3	1-3
smooth	S	C	3	1-3
Cupgrass, woolly			3	1-3
Foxtail,				
giant	C	C	6	1-6
green	C	C	3	1-3
yellow	C	C	3	1-3
Goosegrass	S	S		
Johnsongrass,				
seedling	C	C	6	1-8
rhizome			S	6-12
Panicum,				
fall	S			
Texas	S			
Red rice			3	1-3
Shattercane	S	S	6	1-8
Signalgrass, broadleaf	S	C	4	1-6
SEDGES				
Nutsedge,				
purple	C	C	3	1-3
yellow	C	C	3	1-3

*More consistent control can be obtained from preplant incorporated treatments when Imazethapyr Pro is soil applied to grasses.

“AT CRACK” APPLICATION refers to the time when the soil cracks due to the emerging peanut seedling. This generally occurs from 10 to 14 days following planting. At this time, weeds have generally not germinated, or, are in the seedling stage. If weeds have more than 2 true leaves, refer to the POSTEMERGENCE weed control column for weeds controlled.

In West Texas and New Mexico, wait until late cracking (most of the peanuts have emerged) before applying Imazethapyr Pro.

Imazethapyr Pro is active against many broadleaf and grass species. However, when heavy grass or common lambsquarters pressure is anticipated, Imazethapyr Pro should be used in combination with a registered soil-applied grass herbicide (Refer to the HERBICIDE COMBINATIONS section).

WEEDS CONTROLLED BY SEQUENTIAL APPLICATIONS OF IMAZETHAPYR PRO

The sequential (split) application of Imazethapyr Pro consists of an application of 2 ounces of product soil applied (either preplant incorporated or preemergence) followed by 2 ounces applied either at ground-crack or postemergence.

When applied as a sequential treatment, Imazethapyr Pro will control the weeds listed under the “SOIL APPLIED” and “AT-CRACK” applications in the BROADLEAF WEEDS and GRASS WEEDS tables (in the peanut section of this label). A sequential application of Imazethapyr Pro enhances the control of yellow and purple nutsedge. Apply the second application before the nutsedge exceeds 3 leaves.

HERBICIDE COMBINATIONS

GRASS WEEDS

When applied as directed, Imazethapyr Pro preplant incorporated or preemergence combination treatments with Prowl® 3.3 EC, trifluralin, Lasso®, metolachlor, Balan™, or Sonalan™ will control the weeds listed in the following table, in addition to those controlled by Imazethapyr Pro alone.

	Prowl® 3.3 EC ¹	Trifluralin ²	Lasso®	Metolachlor	Balan™ ²	Sonalan™ ²
GRASSES						
Barnyardgrass	X	X	X	X	X	X
Crabgrass,						
smooth	X	X	X	X	X	X
large	X	X	X	X	X	X
Crowfootgrass	X	X			X	
Goosegrass	X	X	X	X	X	X
Panicum,						
fall	X	X	X	X	X	X
Texas	X	X			X	X
Sandbur,						
field	X	X			X	X
Signalgrass,						
broadleaf	X ²	X	X	X	X	X
Witchgrass	X	X	X	X		X

¹Preplant incorporated tank mixture applications of Imazethapyr Pro plus Prowl® 3.3 EC will suppress the growth of itchgrass and rhizome johnsongrass.

²Preplant incorporated treatments only.

A selective postemergence grass herbicide such as Poast Plus® or Whip® may be mixed with Imazethapyr Pro to control grasses not controlled by Imazethapyr Pro. In some cases the activity of the grass herbicide may be reduced when mixed with Imazethapyr Pro. The reduction in activity may be overcome by

delaying the application of the postemergence grass herbicide 7 days following the application of Imazethapyr Pro. If the postemergence grass herbicide is applied first, wait 3 days before applying Imazethapyr Pro. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

BROADLEAF WEEDS

Broadleaf herbicides that can be tank mixed with Imazethapyr Pro include Basagran[®], Ultra Blazer[®], and 2,4-DB. Certain herbicides should not be applied with Imazethapyr Pro (refer to the PRECAUTIONS section of this label for restrictions).

For the control of sicklepod, morningglories, prickly sida and common ragweed, add 2,4-DB to the Imazethapyr Pro spray mixture. Refer to the 2,4-DB label for specific directions for use, application rates and restrictions.

Imazethapyr Pro may also be applied postemergence in tank mixture with Bravo[®], Bravo[®] S, Orthene[®] or Solubor[®].

SOYBEANS

Use Rate: 4 ounces per acre

Not for use in California

Apply Imazethapyr Pro at a broadcast rate of 4 ounces per acre for all methods of application: early preplant, preplant incorporated, preemergence, and postemergence (including minimum and no-till). Refer to the section APPLICATIONS TO SOYBEANS IN NORTH DAKOTA AND MINNESOTA for applications in North Dakota and Minnesota north of Highway 210.

Note: Only one application of Imazethapyr Pro may be made during the season.

A maximum of 0.063 lb. a.e./A of imazethapyr (4 oz./A of Imazethapyr Pro) per year may be applied to soybeans.

WEEDS CONTROLLED

When applied as directed, Imazethapyr Pro will control or reduce competition from the weeds listed below. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

Note: C = Control, S = Reduced Competition

(The number under Maximum Leaf Stage indicates the maximum number of leaves at which weeds should be sprayed postemergence).

Do not count cotyledon leaves when determining weed stage of growth.

Weeds Controlled	BROADLEAF WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Alligator weed		4	1-3
Anoda, spurred	C	2	1-2
Artichoke, Jerusalem		8	6-10
Buffalobur	C*	S	1-3
Bristly starbur		2	1-2
Carpetweed	C		
Cocklebur, common	S	8	1-8
Galinsoga	C		

Weeds Controlled	BROADLEAF WEEDS		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Jimsonweed	C*	4	1-3
Kochia (non-ALS resistant)	C	4	1-3
Lambsquarters, common	C*	S	1-2
Mallow, Venice	S		
Marshelder	C	4	1-3
Morningglory,			
entireleaf	S	2	1-2
ivyleaf	S	2	1-2
pitted	S	2	1-2
smallflower	C	4	1-3
tall	S	2	1-2
Mustard sp.	C	4	1-3
Nightshade,			
black	C	4	1-3
Eastern black	C	4	1-3
hairy	C	4	1-3
Pigweed,			
redroot	C	8	1-8
smooth	C	8	1-8
spiny	C	8	1-8
Poinsettia, wild	C		
Puncturevine	C		
Purslane, common	C		
Pusley, Florida	C		
Sida, prickly	C*		
Ragweed,			
common	S	S	1-3
giant	S	S	1-3
Sage, barnyard	S	1-3	
Smartweed,			
ladysthumb	C	4	1-3
Pennsylvania	C	4	1-3
Spurge,			
prostrate	C	4	1-3
spotted	C	4	1-3
Sunflower	C*	4	1-3
Thistle, Canada		S	1-3
Velvetleaf	C*	4	1-3

*These weeds are more consistently controlled by preplant incorporated treatments when Imazethapyr Pro is soil applied.

Weeds Controlled**	GRASS WEEDS*		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Barnyardgrass	S	3	1-3
Crabgrass,			

Weeds Controlled**	GRASS WEEDS*		
	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
large	S	3	1-3
smooth	S	3	1-3
Cupgrass, woolly***		3	1-3
Foxtail,			
giant	C	6	1-6
green	C	3	1-3
yellow	C	3	1-3
Goosegrass	S		
Johnsongrass,			
seedling	C	6	1-8
rhizome		S	6-12
Millet, wild proso	S	S	1-3
Panicum,			
fall	S		
Texas	S		
Red rice		3	1-3
Shattercane	S	6	1-8
Signalgrass, broadleaf	S	4	1-8
Sorghum, alnum	S	6	1-3
SEDGES			
Nutsedge,			
purple	S	S	1-3
yellow	S	S	1-3

*Preplant incorporated treatments of Imazethapyr Pro are more consistent for grass control.

**Imazethapyr Pro is active against many broadleaf and grass species. However, when heavy grass or common lambsquarters pressure is anticipated, Imazethapyr Pro should be used in combination with a registered soil-applied grass herbicide (such as Prowl®) for optimum control (Refer to the HERBICIDE COMBINATIONS section for more information).

***Imazethapyr Pro only controls emerged woolly cupgrass.

HERBICIDE COMBINATIONS

GRASS WEEDS

Use a soil applied grass herbicide (such as Prowl® 3.3 EC) to control grass weeds not on the Imazethapyr Pro label and to enhance the control of certain broadleaf weeds such as common lambsquarters and pigweeds. Refer to the Prowl® 3.3 EC (or other grass herbicide) label for specific use recommendations, rates and precautions.

When applied as directed, Imazethapyr Pro preplant incorporated or preemergence combination treatments with Prowl® 3.3 EC, TRI-4®, trifluralin, Outlook®, Lasso® or metolachlor will control the weeds listed in the following table, in addition to those controlled by Imazethapyr Pro alone.

	Prowl® 3.3 EC ¹	Trifluralin ²	Lasso®	metolachlor	Outlook®
Grasses					
Barnyardgrass	X	X	X	X	X
Crabgrass,					
smooth	X	X	X	X	X
large	X	X	X	X	X

Crowfootgrass	X	X			
Goosegrass	X	X	X	X	X
Millet, wild proso	X	X			
Panicum,					
fall	X	X	X	X	X
Texas	X	X			
Sandbur field	X	X			
Shattercane	X ²	X			
Signalgrass, broadleaf	X ²	X	X	X	X
Witchgrass	X	X	X	X	X

¹Preplant incorporated tank mixture applications of Imazethapyr Pro plus Prowl® 3.3 EC will suppress the growth of itchgrass and rhizome johnsongrass.

²Preplant incorporated treatments only.

A selective postemergence grass herbicide such as Poast Plus® may be mixed with Imazethapyr Pro to control volunteer corn or grasses not controlled by Imazethapyr Pro. Use a crop oil concentrate and liquid fertilizer with grass herbicide tank mixtures for best results.

Imazethapyr Pro plus Poast Plus® for Enhanced Grass Control

Apply Imazethapyr Pro at the rate of 4 ounces per acre. Refer to the table below for the appropriate rate of Poast Plus® for enhanced grass control. The addition of Poast Plus® to Imazethapyr Pro at the recommended rates will control the grasses listed below. Refer to the Poast Plus® label for additional weeds controlled.

Poast Plus® Rate* (ounces per acre)	Annual Grasses Controlled	Size (Inches)
12 oz.	Wild Proso Millet Shattercane	4-10" 3-12"
16 oz.	Foxtail, Giant Junglerice Panicum, Fall Panicum, Texas Signalgrass, Broadleaf	3-8" 3-8" 3-8" 3-8" 3-8"
20 oz.	Volunteer Corn	4-10"
24 oz.	Barnyardgrass Crabgrass, Large Crabgrass, Smooth Cupgrass, Woolly Foxtail, Green Foxtail, Yellow Goosegrass Johnsongrass, Seedling Sprangletop, Red Witchgrass	3-8" 3-6" 3-6" 3-8" 3-8" 3-8" 3-6" 3-8" 3-8" 3-8"

*If a mixture of grasses is present, use the highest rate indicated for the grasses selected.

The addition of Poast Plus® to Imazethapyr Pro enhances grass control, particularly when heavy infestations of grass exist. It also provides control of grasses not controlled by Imazethapyr Pro. In some cases, the activity of Poast Plus® may be reduced when mixed with Imazethapyr Pro. The reduction in activity may be overcome by delaying the application of Poast Plus® 7 days following the application of Imazethapyr Pro. If Poast Plus® is applied first, wait 3 days before applying Imazethapyr Pro.

For optimum control, apply the tank mixture to actively growing weeds at the sizes indicated in the table above, (for sequential applications refer to application rates and weed sizes indicated in the Imazethapyr Pro and Poast Plus® labels). Refer to the Poast Plus® label for additional information regarding application rates, restrictions, precautions, weeds controlled, recommended adjuvants and other information.

BROADLEAF WEEDS

Broadleaf herbicides that can be tank mixed with Imazethapyr Pro include Basagran®, Cobra®, FirstRate™, Flexstar®, Gramoxone® Extra, Reflex®, Storm™, or Ultra Blazer®. Roundup Ultra® may be tank mixed with Imazethapyr Pro to aid in control of certain broadleaf weeds only in Roundup Ready® soybeans. Refer to the Roundup Ultra® label for rates and weeds controlled and other restrictions. Certain herbicides should not be applied with Imazethapyr Pro (refer to the PRECAUTIONS section).

Imazethapyr Pro plus Ultra Blazer® for Enhanced Control of Common Ragweed and Pigweeds (Including tall and common waterhemp).

The control of several broadleaf weeds including common and giant ragweed, pigweed species and waterhemp will be enhanced by the addition of Ultra Blazer® to Imazethapyr Pro at the recommended rates. Refer to the Ultra Blazer® label for additional weeds controlled.

Apply Imazethapyr Pro at the rate of 4 ounces per acre. Apply Ultra Blazer® at the following rates, depending on weed size:

	Ultra Blazer® Rate (ounces per acre)*		
	8-10 oz.	12-14 oz.	16-20 oz.
Weeds	Weed Size		
Common ragweed	1-4"	4-6"	6-8"
Pigweed species			
Waterhemp, tall			
Waterhemp, common			
Giant Ragweed		1-6"	6-8"***

*Use the higher rate if the weed population is high or if common ragweed is present.

**Use the 20 ounce/acre rate if giant ragweed is 6-8 inches tall.

Ultra Blazer® Sequential Application Rates

When applying Ultra Blazer® following an Imazethapyr Pro application (sequential), apply Ultra Blazer® at the following rates:

	Ultra Blazer® Rate (ounces per acre)*		
	10-12 oz.	14-16 oz.	18-24 oz.
Weeds	Weed Size		
Common ragweed	1-4"	4-6"	6-8"
Pigweed species			
Waterhemp, tall			
Waterhemp, common			
Giant Ragweed		1-6"	6-8"***

*Use the higher rate if the weed population is high or if common ragweed is present.

**Use the 24 ounce/acre rate if giant ragweed is 6-8 inches tall.

Imazethapyr Pro plus FirstRate™ for Enhanced Control of Ragweed Species

FirstRate™ may be tank mixed with Imazethapyr Pro to aid in the control of common and giant ragweed. Refer to the FirstRate™ label for recommended rates and precautions.

Imazethapyr Pro plus Sulfentrazone Containing Compounds

Imazethapyr Pro provides control of many grasses and broadleaf weeds when applied to the soil or applied postemergence to weeds. It also provides season-long control of many weeds. Sulfentrazone-containing products such as Authority® or Canopy® XL may be tank mixed with Imazethapyr Pro in soil applications for enhanced weed control in soybeans.

Imazethapyr Pro may be applied postemergence to soybeans previously treated with sulfentrazone-containing products.

Note: Sulfentrazone-containing products are only labeled for soil applications to soybean.

Imazethapyr Pro plus Harmony® GT for Enhanced Control of Common Lambsquarters

For optimal weed control management, apply a soil applied grass herbicide such as Prowl®, TRI-4®, or trifluralin followed by Imazethapyr Pro postemergence. If common lambsquarters are not adequately controlled by the soil applied treatment, Harmony® GT may be tank mixed with Imazethapyr Pro for additional activity.

The addition of Harmony® GT to Imazethapyr Pro may cause severe injury and/or stunting to soybeans, especially when applied under hot, humid conditions. The user assumes all risks and consequences associated with applications of this tank mixture to soybeans.

When tank mixing Harmony® GT with Imazethapyr Pro, use the following rates:

Imazethapyr Pro – 4 ounces per acre

And

Harmony® GT – 1/24 ounce per acre

Add to the spray mixture:

Non-ionic surfactant – 1 quart per 100 gallons (0.25% v/v)

And

Liquid nitrogen based fertilizer (such as 28%N, 32%N, or 10-34-0) at the rate of 1.25 to 2.5 gallons per 100 gallons of spray solution. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 12-15 lbs. per 100 gallons of spray solution.

Apply to 1-3 trifoliate stage soybeans only.

Other Tank Mix Combinations

Imazethapyr Pro plus Scepter® DG for Volunteer Corn and Common Sunflower

The application of Imazethapyr Pro plus Scepter® DG may be applied to states or portions of states described as Region 2 or Region 3 on the Scepter® DG label, and the following counties in South Dakota: Yankton, Bon Homme, Hutchinson, McCook, Hanson, Davison, Miner, Lake and Kingsbury. Refer to the respective labels for the recommended use area. Do not use this tank mixture in North Dakota or in Minnesota north of Highway 210.

Apply the products at the following rate:

Imazethapyr Pro – 4 ounces/A

And

Scepter® DG – 0.53 ounces/A*

*At the rate of 0.53 ounces per acre, one 14-ounce soluble bag of Scepter® DG will treat 26.4 acres.

A tank mix of Imazethapyr Pro plus Scepter® DG will suppress volunteer corn. Apply to volunteer corn up to 10 inches in height. This tank mixture will also enhance the control of common sunflowers. Apply to sunflowers up to 3 inches in size. Refer to the Scepter® DG label for additional weeds controlled.

A postemergence application of Imazethapyr Pro plus Scepter® DG will NOT suppress volunteer CLEARFIELD® corn (field corn hybrids that possess tolerance or resistance to imidazolinone herbicides i.e., Imazethapyr Pro and Scepter® DG).

APPLICATIONS TO SOYBEANS IN NORTH DAKOTA AND MINNESOTA (North of Highway 210)

Application Rate:

Apply Imazethapyr Pro at 3 ounces per acre postemergence only.

POSTEMERGENCE		
Weeds Controlled	Maximum Leaf Stage	Size (Inches)
Cocklebur, common*	4	1-4
Kochia (non-ALS resistant)	4	1-3
Mustard, species	4	1-3
Nightshade,		
black	4	1-3
Eastern black	4	1-3
hairy	4	1-3
Pigweed, redroot	4	1-4
Wild oats**	3	1-4

*Add Ultra Blazer® at the rate of 12 ounces per acre to the spray solution for control of common cocklebur.

**Imazethapyr Pro will reduce competition from wild oats.

ROTATIONAL CROP RESTRICTIONS

The following rotational crops may be planted after applying Imazethapyr Pro at the recommended rate: (Planting earlier than the recommended interval may result in crop injury).

Anytime – Lima beans, Southern peas, Soybeans, Peanuts, CLEARFIELD® corn hybrids (resistant/tolerant to Imazethapyr Pro)

4 Months after Imazethapyr Pro application – Alfalfa, Clover, Rye (except in North Dakota and Minnesota north of Highway 210), Wheat, Edible beans and peas (other than lima beans and Southern peas)

8 ½ Months after Imazethapyr Pro application – Field corn, Field corn grown for seed

9 ½ Months after Imazethapyr Pro application – Barley, Tobacco

18 Months after Imazethapyr Pro application – Cotton*, Lettuce, Oats, Popcorn, Rye (in North Dakota and Minnesota north of Highway 210), Safflower, Sorghum, Sunflower, Sweet Corn

26 Months after Imazethapyr Pro application – Potatoes, Flax

40 Months after Imazethapyr Pro application – All crops not listed elsewhere in this ROTATIONAL CROP GUIDELINE**

*Refer to the following table for a Cotton Rotation Interval following Imazethapyr Pro application to alfalfa or clover grown for seed production. These guidelines do not apply to Imazethapyr Pro applications made to alfalfa or clover grown for hay or forage (Use the 18 month Rotational Interval above).

Cotton Rotation Following Application of Imazethapyr Pro to Alfalfa Grown for Seed

Irrigation/Precipitation Requirements		Rotation Interval
	Less than 3 acre feet or 36" of water	40 months
	Greater than or equal to 3 acre feet or 36" of water	18 months

****Following 40 months after an Imazethapyr Pro application, and before planting any crop not listed elsewhere in the ROTATIONAL CROP GUIDELINE, a successful field bioassay must be completed. The field bioassay consists of a test strip of the intended rotational crop planted across the previously treated field and grown to maturity. The test strip should include low areas and knolls, and include variations in soil type and pH. If no crop injury is evident in the test strip, the intended rotational crop may be planted the following year.**

Sugarbeet production can be reduced when grown in soil conditions with a pH less than 6.5. If the field is limed to adjust pH prior to planting rotational crops not listed in the ROTATIONAL CROP GUIDELINE, apply the lime at least 12 months prior to planting the rotational crop.

When Imazethapyr Pro is used in accordance with label directions, it is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product and therefore, rotational crop injury is always a possibility.

EXCEPTIONS TO ROTATIONAL CROP RESTRICTIONS

Barley: (States of Delaware, Indiana, Kentucky, Maryland, New Jersey, Ohio, Pennsylvania, and Virginia only). Barley may be planted 4 months following an Imazethapyr Pro application in these states.

CLEARFIELD® canola: CLEARFIELD® varieties of canola, such as Pioneer 45A71 and Pioneer 46A76 may be planted as a rotational crop the next season after an application of Imazethapyr Pro at label rates on registered crops.

Corn inbred lines: Corn inbred seed lines may be planted the year following an application of Imazethapyr Pro. Several seed companies have tested a wide range of inbreds for sensitivity to Imazethapyr Pro soil residues and have reported good crop safety. However, due to the proprietary nature of seed production, Gro-Pro, LLC has not been given access to the inbred data. Growers are directed to contact the seed company for information and recommendations regarding the planting of corn grown for seed in fields treated with Imazethapyr Pro the previous year. Since growing conditions, environmental conditions and grower practices are beyond the control of Gro-Pro, LLC, all risks and consequences associated with planting seed corn inbreds into fields treated previously with Imazethapyr Pro shall be assumed by the user.

Sweet corn and popcorn varieties: (States of Illinois, Indiana, Iowa, Minnesota, Ohio, Tennessee, and Wisconsin only). Sweet corn and popcorn varieties may be planted the year following an application of Imazethapyr Pro. Some sweet corn and popcorn varieties may be injured when planted at less than 18 months following an application of Imazethapyr Pro. Before planting sweet corn for processing, contact the processor company for information and recommendations regarding the tolerance of sweet corn varieties planned for fields treated with Imazethapyr Pro the previous year. **DO NOT** plant fresh market sweet corn varieties prior to 18 months after Imazethapyr Pro use. Before planting popcorn, contact the popcorn company for information and recommendations regarding the tolerance of popcorn varieties planned for fields treated with Imazethapyr Pro the previous year.

Since growing conditions, environmental conditions and grower practices are beyond the control of Gro-Pro, LLC, all risks and consequences associated with planting sweet corn or popcorn varieties into fields treated previously with Imazethapyr Pro shall be assumed by the user.

Stunting and maturity delay or other adverse effects may result when sweet corn or popcorn are planted following Imazethapyr Pro use.

Certain vegetable crops: (States of Alabama, Delaware, Florida, Georgia, Indiana, Kentucky, Maryland, New Jersey, North Carolina, Pennsylvania, South Carolina, and Virginia only): The following crops may be planted 18 months following the last application of Imazethapyr Pro: bahiagrass, cabbage, cantaloupe, cucumber, Irish potato, onion, sweet potato transplants, sweet pepper transplants, tomato transplants, and watermelon.

Cotton (States of North Carolina, South Carolina and Virginia only): Cotton may be planted nine and one-half months after an application of Imazethapyr Pro if all of the following criteria are met:

- Imazethapyr Pro applied to peanuts only
- Soil texture is sandy loam or loamy sand only
- More than 16 inches of rainfall and/or irrigation is received following application of Imazethapyr Pro through October of the application year.

Field Corn and Field Corn Grown for Seed: (Arizona, Hawaii, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming): 9 ½ months after Imazethapyr Pro application.

Snap Beans: Snap beans may be replanted at anytime after application of Imazethapyr Pro when applied at no more than 1.5 ounces per acre in the use areas defined on this label.

Wheat: Wheat may be planted 3 months following Imazethapyr Pro application in areas east of interstate highway I-35.

When Imazethapyr Pro is applied at no more than 3 ounces per acre to edible legumes in the use areas described, the following rotational restrictions apply:

- Snap beans may be planted 3 months and barley 4 months following an application of Imazethapyr Pro.
- Chickpeas, lentils, and peas may be planted anytime following an Imazethapyr Pro application.

PRECAUTIONS

CLEARFIELD® CORN

Do not harvest corn (silage, fodder, or grain) for an interval of at least 45 days after application of Imazethapyr Pro. DO NOT graze or feed treated corn forage, silage, fodder, or grain for at least 45 days after an application of Imazethapyr Pro.

All soil insecticides, including labeled banded or in-furrow applications, may be used in combination with Pioneer imidazolinone resistant (IR) corn hybrids.

Imidazolinone tolerant hybrids from other seed companies may occasionally exhibit injury symptoms when soil insecticides are used in combination with Imazethapyr Pro. Do not use Counter® 15G systemic insecticide-nematicide in-furrow with imidazolinone tolerant corn hybrids. Other registered organophosphate insecticides such as banded applications of Counter® 15G, Counter® CR or Thimet® soil and systemic insecticide, or in-furrow applications of Counter® CR or other registered carbamates or pyrethroid insecticides may be used in combination with Imazethapyr Pro applications. Gro-Pro, LLC has not tested all hybrids in which the imidazolinone tolerance trait is claimed and cannot be responsible for factors which are beyond its control, such as growing conditions, environmental conditions, grower practices and the specific genetics of each hybrid tolerance to Imazethapyr Pro and insecticide applications.

NON-GRASS ANIMAL FEED (ALFALFA AND CLOVER)

Do not feed, graze or harvest alfalfa or clover for 30 days following an application of Imazethapyr Pro to alfalfa or clover.

SOYBEANS

If soybeans are furrow irrigated, till the soil prior to planting winter wheat or barley. The beds should be broken up and the soil mixed with tillage equipment set to cut 4-6 inches deep.

There should be an interval of at least 85 days between an application of Imazethapyr Pro and soybean harvest.

Imazethapyr Pro applications should be made before soybean bloom.

Do not graze or feed treated soybean forage, hay or straw to livestock.

Do not tank mix Imazethapyr Pro with clomazone containing herbicides (Command®). Imazethapyr Pro may be applied postemergence following a soil application of Command®.

PEANUTS

Do not graze or feed treated peanut forage, vines, hay or straw to livestock.

Allow at least 85 days between an application of Imazethapyr Pro and peanut harvest.

Classic® may be applied postemergence to peanuts following an Imazethapyr Pro application. Refer to the Classic® label for specific use recommendations.

Do not apply Pursuit® Plus EC to peanuts the same year as Imazethapyr Pro.

EDIBLE VEGETABLE LEGUMES

Allow at least 30 days between application and harvest of snap beans, lima beans, chickpeas (Arizona and California), English peas, and Southern peas.

Allow at least 60 days between application and harvest of dry edible peas, lentils, chickpeas, red kidney beans, and other dry bean or pea types listed on this label.

GENERAL (ALL CROPS)

Full rate application of products containing chlorimuron ethyl (Classic®, Canopy® XL, Synchrony®, etc.), chloransulam-methyl (FirstRate™), flumetsulam (Hornet™, Python™), imazaquin (Squadron®, Scepter® 70DG) or products containing imazethapyr (Pursuit® DG or Pursuit® Plus EC) the same year as Imazethapyr Pro may increase the risk of injury to sensitive follow crops. Consult labels for recommended uses of these products in combinations.

Only rotational crops harvested at maturity may be used for feed or food.

In the event of a crop loss due to weather, soybeans, peanuts or CLEARFIELD® corn can be replanted. Do not work the soil deeper than 2 inches.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep from freezing. Do not store below 32°F. Avoid contamination of feed or foodstuffs.

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:

Plastic Containers: 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.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Gro-Pro LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Gro-Pro LLC and Seller harmless for any claims relating to such factors.

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