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ACCEPTED

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der the Federal Insecticide, agicide, and Rodenticide Act OR OTHER

Highlighted

Fronti herbicide

For use in corn (field, pop, seed, and speet) dry bean, peanut, grain sorghum, and soybean crops

Active Ingredients:

Dimethenamid: 2-chloro-N-[(1-methyl-2-methoxy)athyl-N-(2,4-dimethyl-thien-3-yl)-acetamide
Inert Ingredients:

contains 6.0 pounds of active ingredient per gallon contains petroleum distillates, xylene or xylene range aromatic solvent

EPA Reg. Number: 7969-147

EPA Est. Number: 55947-TX-1

KEEP OUT OF REACH OF CHILDREN. WARNING/AVISO

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

See inside booklet for complete Precautionary Statements, Statement of Practical Treatment, Directions For Use, and Conditions of Sale and Warranty,

Net contents: 2.5 gallons (9.46 liters)

Precautionary Statements

Hazards to Humans and Domestic Animals WARNING. Causes substantial but temporary eye trijury. Harmful if inhaled, swallowed, or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist.

Statement of Practical Treatment

If in eyes: Hold eyelids open and flush with steady, centle stream of water for 15 minutes. Get medical attention

If swallowed: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Do not give anything by mouth to an unconscious person. Avoid alcohol.

If on skin: Wash with plenty of soap and water. Get medical attention.

If inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention.

Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this roduct are listed below. For more options, refer to tategory **F** 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 barrier laminate, butyl rubber, nitrile rubber, neoprenerubber, polyvinyl chloride, or vitor ≥ 14 mils
- Shoes plus socks...
- Protective eyewear 🏖

Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this moduct's concentrate. Do not re-use them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ngineering Controls Statement
then handlers use closed systems, enclosed cabs,
carroraft in a manner that meets the requirements

traincraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the randler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove 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 or rinsate. Dimethenamid has properties that may result in groundwater contamination. Application in areas where soils are permeable or coarse and groundwater is near the surface could result in groundwater contamination.

Dimethenamid has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Point source contamination: To prevent point source contamination, do not mix or load this or any other pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink hoes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This settack does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing(loading areas).

as described below.

Mixing, loading, rinsing, or washing operations percomed within 50 feet of a well are allowed only when conducted or an impervious pad constructed to with stand the weight of the heaviest load that may be on an over across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 1100 finat of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or contained leaks, equipment wash waters, and rainwater that may fall on the pad. The containment papacity does not apply to vehicles dall engipesticide shipments to the mixing/loading site. States may have in effect additional.

returnments regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent 1) back siphoning into wells, 2) spills, or 3) improper disposal of excess pesticide, spray mixes, or rinsates.

Oreck valves or antisiphoning devices must be used on all mixing equipment.

Movement dissolved in runoff or through soil: Do not acoly under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen soils.

Grandwater contamination may occur in areas where sois are permeable or coarse and groundwater is

sois are permeable or coarse and groundwater is near the surface. To minimize the possibility of groundwater contamination, carefully follow application rate recommendations as affected by soil type in the general information section of this label. Do not apply to coarse soils classified as sand with less than 3% organic matter (as determined by soil tests, if not known) and where depth to ground water is 30 feet or less.

Movement by water erosion of treated soil: Do not apply or incorporate this product by field or fundw irrigation. Ensure treated areas have received at least one-half inch rainfall before using tailwater for subsequent irrigation of other fields.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

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.

Unless otherwise directed in supplemental labeling, all applicable directions, restrictions, precautions and Conditions of Sale and Warranty are to be followed. This labeling must be in the user's possession during application.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry 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 12 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 barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage: Do not use or store near heat or open flame. Store in original container in a well-ventilated area separately from fertilizer, feed, or foodstuffs and away from other pesticides. Avoid cross-contamination with other pesticides. Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

Pesticide Disposal: Pesticide wastes are hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or

rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

• <u>Plastic Containers</u>: Triple rinse (or equivalent) and add rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

• Bulk/Mini-bulk Containers:

Reusable containers should be returned to the point of purchase for cleaning and refilling because the container must be thoroughly cleaned before refilling.

Five Steps to Repackaging Minibulk Containers

While it is not required by the EPA currently, BASF has developed this mini-bulk checklist to aid in your inspection (**Steps 1-5**). We recommend that you complete these checklists every time a mini-bulk container is refilled and keep them on file.

COntaine	is tellied and keep then on lie.
Step 1.	Inspect all mini-bulk tanks before filling with bulk products.
•	Is the tank empty and clean (according to the current approved mini-bulk tank cleanout procedure), or does it contain only residue of the same BASF product with which it is about to be filled? Does the tank have a capacity greater than
•	55 gallons? Has the tank been inspected to be sure it is free of any punctures or structural defects?
Step 2.	Inspect all tank valves, hoses, pumps, meter, and seals before filling with bulk product.
•	Are all fittings free of visual signs of leaking or heavy wear?
•	Are all fittings and plumbing clean (according to the currently approved mini-bulk tank cleanout procedure)?
Step 3.	Label all tanks properly before filling with bulk product.
•	Is there an up-to-date legible product label including Directions For Use displayed on the tank?
•	Did you write the net contents (in gallons) on the product label after every refill?

Step 4. Properly secure the tank to any vehicle prior to transportation.

Number on the product label?

Did you write your EPA Establishment

Step 5. Maintain a file of the following items at the location where repackating occurs.

A copy of the manufacturer's cleanout

A copy of the manufacturer's cleanout procedure.

 A signed copy of the manufacturer's repackaging label authorization for this retail location.

Please post these instructions in an area visible by all employees and be sure to follow them prior to filling any mini-bulk tank. Leave all product and bar code labels in place. Product labels must remain in place to comply with Department of Transportation regulations. Return container promptly to distributor.

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In Case of Emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC BASF Corporation 800-424-9300 800-832-HELP

In case of medical emergency regarding this product, call:

Your local doctor for immediate treatment.

Your local poison control center (hospital).

BASF Corporation (800-832-HELP)

Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

I. General Information

Frontier® 6.0 herbicide is a selective pre-emergence herbicide for controlling annual grasses, annual gradleaf weeds, and sedges listed below in field orn, popcorn, seed corn, sweet corn, soybean, grain sorghum, peanut, and dry bean.

Table 1. Weeds Controlled

Table 1. Weeds Collabiled				
Annual Grasses Barnyardgrass Beggarweed, Florida Craboraes, smooth	Sedge Flatsedge, Rice Nutsedge, Yellow ²			
Crabgrass, smooth, , large Cupgrass, southwestern , woolly' Foxtail, giant, , green, , yellow Goosegrass Johnsongrass (seedling)' Millet, wild proso' Panicum, fall, , Texas' Ragweed. common' Sed Rice andbur' Shattercane' Signalgrass, broadleaf Witchgrass	Annual Broadleaves Carpetweed Eclipta' Lambsquarters, common' Purslane, common Pigweed, Amaranth, Palmer , prostrate , redroot , smooth , tumble Pusley, Florida Nightshade², black , eastern black , hairy Spurge, nodding , spotted Waterhemp, common , tall			

Partial control or suppression only. To complement control, Frontier 6.0 should be used in tank mixes or sequential applications with other herbicides that provide additional control of these weed species.

² For best control of these species use the highest rate recommended by soil type. If dry conditions exist near application or excessive rainfall occurs early in season, a postemergence herbicide or cultivation may be required to help control these weeds.

Mode of Action

Frontier 6.0 is a root and shoot growth inhibitor that controls susceptible germinating seedlings before or soon after they emerge from the soil.

Cleaning Spray Equipment

Clean application equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product.

II. Application Instructions

Frontier 6.0 will provide most effective weed control when applied by ground or aerial equipment, and is subsequently incorporated into soil by rainfall, sprinkler irrigation, or mechanical tillage prior to weed seedling emergence from soil. Frontier 6.0 is recommended for preplant incorporated, preplant surface, pre-emergence, or early postemergence treatment. Frontier 6.0 may be applied using either water or sprayable fluid fertilizer as the spray carrier. Additionally, Frontier 6.0 may be impregnated on and applied with dry bulk fertilizer. Sprayable fluid fertilizer as a carrier is not recommended for use after crop emergence. Refer to section ill. Additives for more information.

Application Rate

Recommended use rates for Frontier 6.0 when used alone, in tank mix, or sequential applications are given in Table 2. Refer to section VII. Crop-Specific **Information** for additional rate information. Recommended use rates of this product vary by soil type. The most accurate indicator of appropriate use rate for Frontier 6.0 is the Cation Exchange Capacity (CEC) of the soil to be treated. CEC values are available in standard soil testing procedures. If CEC values are not available, the recommended use rate of Frontier 6.0 may be determined using soil texture and organic matter. Soil texture groupings used in this label are coarse (sand, loamy sand, sandy loam), medium (silt. silt loam, loam, sandy clay loam), and fine (sandy dray, slitz clay, silty clay loam, clay loam, and clay). Do not apply to coarse soil classified as sand with less than 3% organic matter (as determined by soil tests. I not known) and where depth to groundwater is 30 feet or less.

To determine Frontier 6.0 use rates by either soil CEC values or by soil texture and organic matter, refer to **Table 2**. When use rates are expressed in ranges, use the lower rates for lower CEC values and use the higher rates for higher CEC values. If soil texture and organic matter content are used to determine use rates, use the lower rates for more coarsely textured so'ls low in organic matter and use the higher rates for more finely textured soils that are high in organic matter.

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Application Timing

Preplant Surface Applications: For use in minimum tillage or no-tillage production systems, apply Frontier 6.0 alone or in tank mixes up to 45 days before planting. When making early preplant applications (15-45 days prior to planting), use the highest rate recommended for the specific soil type. Early preplant applications are not recommended for use on coarse-textured soils or in areas where average annual rainfall (or rainfall + irrigation) typically exceeds 40°. Early preplant applications may be applied as part of a split application program where the second application is made after planting (use 2/3 of Frontier 6.0 rate early followed by 1/3 of rate after



Table 2. Frontier 6.0 Application Rates Per Acre¹²

As determined by Cation Exchange Capacity (CEC) of the soil				
Cation Exchange Capacity (CEC) of Soil	Frontier 6.0 Use Rate Per Acre			
< 5	20 fluid ounces			
5-9	20-24 fluid ounces			
10-14	24-28 fluid ounces			
15-20	28-32 fluid ounces			
> 20	32 fluid ounces			

As determined by soil texture and organic matter content

Soil	Organic Matter Content			
Texture	Less than 3%	3% or more ³		
Coarse	20-24 fluid ounces	24-28 fluid ounces		
Medium 24-28 fluid ounces 28-32 fluid ou		28-32 fluid ounces		
Fine	28-32 fluid ounces	32 fluid ounces		

See tank mix descriptions for the recommended use rate ranges of other herbicides used with Frontier 6.0. The rates listed are intended for full season control of targeted weeds. Reduced rates (12-24 ounces of Frontier 6.0 per acre) may be used where partial control or reduced length of soil residual control is required, such as postemergence applications, or pre-emergence applications where cultivation or sequentially applied herbicides will be used for added control of the same targeted weed species. Use 12-16, 16-20, and 20-24 fluid ounces of Frontier 6.0 per acre on coarse, medium, and fine soil respectively.

For all early preplant applications, use 32 fluid cunces of Frontier 6.0 per acre.

On all soils with >8% organic matter, use 32 fluid ounces of Frontier 6.0 per acre.

planting). A split application is recommended when the initial application is made more than 30 days prior to planting. Tank mixes with postemergence herbicides such as Roundup® Ultra (glyphcsate). Touchdown® (sulfosate), or Gramoxone® Extragologications are cresent at the time of applications.

the time of applications.

Preplant Incorporated Applications. A

Frontier 6:0 and incorporate into the upper 1-2") soil surface up to 2 weeks being e planting. Use a harrow, rolling cuttivator, finishing sisk, or other implement capable of giving putils in shallow incorporation. Avoid deeper incorporation or reduced weed control or crop injury may result.

Pre-emergence Surface Applications: Broadcast treatment uniformly to the soil surface after planting and before the emergence. Rainfall, sprinkler irrigation is shallow mechanical incorporation after application is required to move this product into the upper soil surface where weed seeds germinate. If adequate rainfall or irrigation does not occur and weed seedling emergence begins, a shallow cultivation or rotary hoeing will improve performance.

Early Postemergence Applications; Frontier® 6.0 herbicide must be applied prior to weed seedling emergence or in a tank mix with products that control the emerged weeds. Refer to section VII. Crop-Specific Information for specific postemergence application recommendations by crop.

Split Applications: Frontier 6.0 may be used in split application programs where applications are made as part of the methods described above. If applications are less than 2 weeks apart, the total Frontier 6.0 rate used must not exceed the maximum rate given for each specific soil type. If applications are 2 weeks or more apart, a total Frontier 6.0 use rate of up to 32 fluid ounces per acre per year may be used on any soil type.

Fall Applications:

For use only in the following states: North Dakota, South Dakota, Minnesota, Wisconsin, Iowa, north of Highway 136 in Illinois and north of Highway 91 in Nebraska

Frontier 6.0 may be used in fall applications to control weeds in minimum tillage or no-till corn or soybean production systems planted the following spring. Apply up to 32 fluid ounces of Frontier 6.0 per acre to medium- and fine-textured soils with greater than 2.5% organic matter. Fall applications must be made after October 1. Apply Frontier 6.0 in the fall after crop harvest when soil temperatures at the 4" depth are sustained at less than 55° F and before the ground freezes. Tillage operations may be conducted before or after applying Frontier 6.0. If following an application, tillage should be no more than 2-3" deep to uniformly incorporate the herbicide into the upper soil surface.

If a sequential application program (fall application followed by spring application of **Frontier 6.0**) is used, the maximum combined rate of **Frontier 6.0** that may be applied is 32 fluid ounces per acre, per crop season.

Managing Off-target Movement

Spray Drift: High or gusty winds, high temperatures, low humidity, and temperature inversions increase the likelihood of spray drift from intended targets. Do not apply when these conditions exist. To minimize spray drift:

 Make application when conditions are favorable for even spray deposition (approximately 3-10 mph) on the soil surface. Do not apply when wind or wind gusts exceed 15 mph

Use low pressure, properly calibrated, application equipment as possible to produce large spray droplets and sufficient spray volume to ensure uniform application. Do not use nozzles producing a mist droplet spray.

 Keep ground driven spray boom as low as possible above the target surface.

Wind erosion of treated soil: Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.

Aerial Application

Water Volume: Use 2 or more gallons of water per acre. The actual minimum spray volume per acre is determined by the spray equipment used. Adequate spray volume must be used to provide accurate and uniform distribution of spray particles over the treated area and to avoid drift of spray particles to nontarget areas

The applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

Ground Application (Banding)

When applying Frontier 6.0 by banding, determine the amount of herbicide and water volume needed using the following formula:

Bandwidth in inches X Broadcast rate Banding herbicide per acre rate per acre Row width in inches

Bandwidth in inches X Broadcast volume per acre volume per acre

Ground Application (Broadcast)

Water Volume: Use 2 or more gallons of water per acre. The actual minimum spray volume per acre is determined by the spray equipment used. Adequate spray volume must be used to provide accurate and uniform distribution of spray particles over the treated area and to avoid drift of spray particles to nontarget

Ground Application (Dry Bulk Fertilizer) Frontier® 6.0 herbicide may be impregnated or coated onto dry bulk granular fertilizer carriers for preplant surface, preplant incorporated, or preemergence applications. Impregnation or coating may e conducted by either the in-plant bulk system or the on-board system. When impregnated onto some dry fertilizer blends, Frontier 6.0 may exhibit a strong odor. Perform the mixing operation in well-ventilated

Frontier 6.0 may also be applied in herbicide tank mixes where the tank mix companion product is also registered for these application systems. Individuals of agents selling Frontier 6.0 in these application systems are responsible for following all state and local regulations regarding fertilizer and herbicide blending.

Addition of a drying agent may be necessary if the fertilizer and herbicide blend is too wet for uniform application due to high humidity. high urea concentration, or low fertilizer use rate. Slowly add the drying agent to the blend until a flowable mixture is obtained. Drying agents are not recommended for

use with on-board impregnation systems.
Under some conditions, fettilizer impregnated with rontier 6.0 may clog air tubes or deflector plates on pneumatic applicătion systems. Mineral oil may be added to Frontier 6.0 before blending with fertilizer to reduce plugging. Do not use drying agents when mineral oil is used. To avoid separation of Frontier 6.0 and mineral oil mixes in cold temperatures, either keep mixture heated or agitated prior to blending with fertilizer. Mineral oil may be used at in-plant blending stations or on-board injection systems.

Apply 200-750 pounds of the fertilizer and herbicide blend per acre. Application must be made uniformly to the soil to prevent possible crop injury and offer satisfactory weed control. Impregnated fertilizer spread at half rate and overlapped to obtain a full rate will offer a more uniform distribution. A shallow (1-2") incorporation is desirable for improved weed control. Deeper incorporation may result in unsatisfactory weed control.

Formula to determine the herbicide rate when using dry bulk fertilizer applications:

Fluid ounces or pounds Fluid ounces or X = 2,000 = pounds of herbicideof herbicide per acre pounds of fertilizer per ton of fertilizer per acre

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Incompatible Mixtures

DO NOT impregnate Frontier 6.0 or Frontier 6.0 mixes on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers or fertilizer blends. Single superphosphate (0-20-0) and triple superphosphate (0-46-0) may be impregnated only with Frontier 6.0

III. Additives

Spray adjuvants have little or no influence on performance of Frontier 6.0 when applications are made prior to weed emergence. However, several tank mixes with Frontier 6.0 require adjuvants to improve burndown of emerged weeds. Therefore, surfactants and/or low rate fertilizer (28%, 30%, or 32% UAN or ammonium sulfate), or crop oil concentrate may be used with Frontier 6.0 tank mixes applied preplant, pre-emergence, or early postemergence to the crop. Follow the adjuvant recommendations on the tank mix partner's label. Consult your local BASF representative for recommendations for your area.

Oil Concentrate

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

be nonphytotoxic
 contain only EPA-exempt ingredients,

provide good mixing quality in the jar test, and

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

For additional information, see Compatibility Test for Mix Components.

The use of adjuvants containing penetrants such as petroleum based oils after corn emergence may cause crop injury.

Nitrogen Source

• Urea ammonium nitrate (UAN): Use 2-4 quarts of UAN (commonly referred to as 28%, 30%, or 32% nitrogen solution) per acre. Do not use brass or aluminum nozzles when spraying UAN.

 Ammonium sulfate (AMS): AMS at 2.5 pounds per acre may be substituted for UAN. Use highquality AMS (spray grade) to avoid plugging of nozzles. Other sources of nitrogen are not as effective as those mentioned. BASF does not recommend applying AMS if applied in less than 10 gallons per acre because of potential problems with precipitation in reduced volumes. Use AMS only if it has been demonstrated to be successful in local experience.

Nonionic Surfactant

The standard label recommendation is 1 pint of an 80% active nonionic spray surfactant per 100 gallons of water. For certain weeds, a higher spray surfactant rate is recommended.

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Compatibility Test for Mix Components

- Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

- 1) Water: For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, acjust rates accordingly. Use only water from the intended source at the source temperature.
- 2) Products in PVA bags: Cap the jar and invert 10
- 3) Water-dispersible products: (dry flowables, wetable powders, suspension concentrates, or suspo-emulsions) Cap the jar and invert 10 cycles.
- 4) Water-soluble products: Cap the jar and invert 10 cycles.
- 5) Emulsifiable concentrate herbicides such as Frontier 6.0 and oil concentrate or methylated seed oil when applicable. Cap the jar and invert 10 cycles.
- 6) Water-soluble additives: (AMS or UAN when applicable) Cap the jar and invert 10 cycles.
- 7) Let the solution stand for 15 minutes.
- 8) Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray soution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the incredients in the same tank.

IV. Mixing Order

- 1) Water: Begin by agitating a thoroughly clean spraver tank half full of clean water. Maintain constant agration during complete mixing princedure.
- 2) Products in PVA bags: Rinse the tank before acting any material in PVA bags. Wait until all water-soluble PVA bags have fully dissolved and the rerbicide is evenly mixed in the spray tank bettre continuing.
- Water-dispersible products: (dry flowables, wetable powders, suspension concentrates, or susco-emuisions)
- 4) Water-soluble products
- 5) Emulsifiable concentrate herbicides such as Frontier 6.0 and oil concentrate or methylated seed oil when applicable.
- 6) Water-soluble additives (AMS or UAN when appicable)
- Remaining quantity water

Maintan constant agitation during application. For more information, refer to section V. Tank Mixing Application.

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V. General Tank Mixing Information

Frontier® 6.0 herbicide may be tank mixed or applied sequentially with one or more of the following herbicide products according to the specific tank mixing instructions in this label and respective product labels. Refer to section VII. Crop-Specific Information to determine which tank mix products can be applied to specific crops. Read and follow the applicable Restrictions and Limitations and Directions For Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

- Accent® (nicosulfuron
- Assure® II (quizalofop:
- Atrazine **Authority®**
- (sulfentrazone)
- Balan® (benefin)
- Banvel® (dicamba)
- Basagran® (bentazon:
- Beacon® (primisulfuron)
- Bladex® (cyanazine)
- Blazer® (acifluorfen)
- Buctril® (bromoxynil)
- Cadre* (imazamethapyr)
- Canopy® (chlorimuronethyl + metribuzin)
- Canopy®XL (sulfentrazone + chlorimuronethyl)
- Celebrity® (dicamba + nicosulfuran)
- Clarity® (dicamba)
- Classic® (chlorimuron ethyl)
- Command® (clomazone)
- Cyclone® (paraquat)
- **Dual*** (metolachior)
- Dual Ij® (metolachlor
- Eptam® (EPTC)
- Eradicane® (EPTC)
- Extrazine® II (cyanazine + atrazine;
- Fallowmaster®
- (glyphosate + dicamba)
- Far-Go® (triallate)
- FirstRate® (chloransulam-methyl
- Flexstar® (formesafen) Fusilade® (fluazifop-p-butyl)
- Fusion® (fluazifop-p-butyl + fenoxaprop-p-ethyl)

Signification of the control of the

Galaxy® (bentazon + acifluorfen)

- Gramoxone®Extra (paraquat)
- Laddok® S-12 (bentazon + atrazine)
- Landmaster[®] (glyphosate + 2,4-D)
- Lasso® (alachlor)
- Lexone® (metribuzin) Liberty® (glufosinate) Lorox® (linuron)
- Marksman* (dicamba + atrazine)
- Poast® (sethoxydim)
- Poast Plus® (sethoxydim)
- Princep® (simazine)
- Prowl® (pendimethalin)
- Pursuit® (imazethapyr)
- Python® (flumetsulam)
- Raptor®(imazamox)
- Reliance* (thifensulfuron methy) -
- chlorimuron ethyl) Roundup®RT (glyphosate)
- Roundup® Ultra (glyphosate)
- Scepter® (imazaquin
- Select® (clethodim)
- Sencor® (metribuzin
- Sonalan® (ethalflurain-
- Starfire® (paraquat)
- Storm® (bentazon + acifluorfen)
- Synchrony STS (thifensulfuron methy: chlorimuron ethyl)
- Touchdown® (sulfosate)
- Tough® (pyridate)
- Treflan® (trifluralin)
- 2,4-D
- 2,4-DB
- Vername (vernolate):
- Weedmaster* (dicamba + 2,4-D)
- Zorial (norflurazon)

Physical incompatibility, reduced weed control, or crop injury may result from mixing Frontier 6.0 with other pesticides (fungicides, herbicides, insecticides, or miticides), additives; or fertilizers. Local agricultural authorities may be a seeme of information when using other than BASF recommended tank mixes.



VI. General Restrictions and Limitations - All Crops

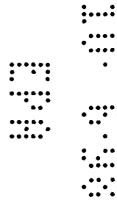
- Maximum seasonal use rate: Do not apply more than a total of 32 fluid ounces of Frontier® 6.0 herbicide per acre, per seasor.
- Preharvest Interval (PHI): Reight posection VII. Crop-Specific information for crop-specific preharvest intervals and feeding and grazing restrictions.
- Restricted Entry Interval (REI): 12 hours.
- The New York State Department of Environmental Conservation prohibits use in Long Island, NY.
- Crop Rotation Restriction:
 - If any labeled crop treated with Frontier 6.0 is lost to adverse weather of for other easons, the
 area treated may be replanted to any of the labeled cross immediately. If the original Frontier, 6.0. treatment was broadcast, or not make a second application of Frontier 6.0.

 If the original application was banded as the second door is planted in the row middles,
 - band application may be applied.

 - Fall-seeded cereal groes means plants of more following treatment
 There are no rotational crop estrictions the spring following the previous year's application of Frontier 6.0.
- Stress: Applications re-crops are stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury of fluctuating temperatures may result in crop injury.
- Do not apply through any type of irrigation equipment. Do not contaminate irrigation ditches or water used for domestic purposes.
 - This product cannot be used in formulate or reformulate any other pesticide product.

Table 3. Crop-Specific Restrictions and Limitations

Crop	Maximum Pata- Por Apri- Por Application	Maximum Rate- Per Aere- Per Seacen	Interval from Application to Grazing or Feeding Livestock	Aircraft Application Allowed
Cor-	32 flui d 00-10-33	32 fluid ounces	40	Yes
Corr. Sweet	32 flui di pureste	32 fluid eunces	40	Yes
Dry Bean	32 fluid our	32 fluid ouncee	No	Yes
Pearut	32 flui a pure se	3:2 fluis ounces	80	Yes
Sorgnum, Grain	32 flui 3 our : 1-3	32 fluid ounces	60	Yos
Seyesan	32 fluid our ::::	⊋2 fluid ounces	Mol	Yes



VII. Crop-Specific Information

Corn (Field, Pop, Seed, and Sweet)

Frontier® 6.0 herbicide may be applied preplant surface, preplant incorporated, pre-emergence, or postemergence to corn up to 8" tall. Corn in this label refers to field corn (grown for grain, silage, or seed), sweet corn, and popcorn. Before applying to seed corn, sweet corn, or popcorn, verify with your local seed company (supplier) the Frontier 6.0 selectivity on your inbred line or variety to avoid potential injury to sensitive inbreds or varieties.

Corn may be grazed or fed to livestock 40 days or more after application of Frontier 6.0. Sweet corn ears may be harvested 50 days or more after application of Frontier 6.0.

Corn Tank Mixes

Frontier 6.0 may be tank mixed or applied sequentially in corn with one or more of the following herbicide products according to the specific tank mixing instructions in this label and respective product labels. Read and follow the applicable Restrictions and Limitations and Directions For Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

- Accent[®]
- **Atrazine**
- Banvel*
- Basagran®
- Beacon®
- Bladex®
- Celebrity®
- Clarity®
- Eradicane®
- Extrazine® II

- Gramoxone®Extra
- Laddok®S-12
- Liberty®
- Marksman*
- Princep⁶
- Prowl[®]
- Pursuit*
- Roundup® Ultra
- Touchdown®
- 2,4-D

Dry Bean

Frontier 6.0 may be applied preplant surface, preplant incorporated, pre-emergence or early postemergence (first to third trifoliate stage) to all dry bean classes (such as small whites, navy, black turtle soup, pink, pinto, great northern, red Mexican, red kidney and cranberry) and lentils. Frontier 6.0 is not registered for use in succulent beans or cowpeas. Before applying Frontier 6.0 to dry beans, verify with your local seed company (supplier) the selectivity of Frontier 6.0 on your specific dry bean class and variety to help avoid potential injury to sensitive classes or varieties.

If extreme conditions of high rainfall and extended periods of water saturated soil occur during dry edible bean germination or early seedling development, Frontier 6.0 use may result in temporary growth suppression. This suppression will not reduce dry edible bean yield. Frontier 6.0 use postemergence may occasionally result in some temporary spotting or browning of dry bean leaves.

A single or split application program may be used. Additional recommendations specific to dry beans are to use a maximum of 20 fluid ounces of Frontier 6.0 per acre on coarse soils with CEC < 5 or organic matter less than 1.5% for soil applications made prior to crop emergence.

Dry beans may be harvested 70 days or more after application of Frontier 6.0.

Dry Bean Tank Mixes

Frontier 6.0 may be tank mixed or applied sequentially in dry bean crops with one or more of the following herbicide products according to the specific tank mixing instructions in this label and respective product labels. Read and follow the applicable Restrictions and Limitations and Directions For Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

- Basagran®
- Eptam[®]
- Far-Go[®]
- Gramoxone® Extra
- Poast*

- Prowl[®]
- Pursuit®
- Roundup® Ultra
- Sonalan®
- Treflan®

The following herbicide products may only be applied sequentially with Frontier 6.0.

- Dual[®]
- Dual IIº
- Lasso®

Peanut

Frontier 6.0 may be applied preplant surface, preplant incorporated, pre-emergence, or postemergence (up to 80 days prior to harvest) alone or in tank mix combinations. Use higher rates (25-32) fluid ounces of Frontier 6.0 per acre) for improved control or suppression of difficult weeds like yellow nutsedge, Florida beggarweed, eclipta, common ragweed, and other broadleaf species.

Frontier 6.0 may also be used in a split application using 1/2 to 2/3 the maximum rate initially and the remaining 1/2 to 1/3 in sequential application. Peanut hay or straw may be grazed or fed to livestock 80 days or more after application of Frontier 6.0.

Peanut Tank Mixes

Frontier 6.0 may be applied prior to, in tank mix with, or after use of one or more of the following herbicides in peanut according to the specific tank mixing instructions in this label and respective product labels. Read and follow the applicable Restrictions and Limitations and Directions For Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

- Balan®
- Basagran^a
- Blazer®
- Cadre® Classic*
- **Dual®**
- Landmaster®
- Lasso®
- Poast®
- Poast Plus®
- Prow!

- Pursuit®
- Sonalan®
- Starfire®
- Storm®
- Tough®
- Treflan®
- 2,4-DB
- Vernam®
- Zorial®

Sorghum (grain)

Frontier® 6.0 herbicide may be used preplant surface, preplant incorporated, or pre-emergence in either a single or split application. Do not apply to grain sorghum after crop emergence.

Frontier 6.0 is not registered for use on sweet or forage sorghum.

Al Frontier 6.0 applications must only be made to Al Frontier 6.0 applications must only be made to sorghum seed that has been properly treated by the seed company with an approved the oracetainide harbicide safener or sever your may occur.

Under high soil moistures cool conditions, Frontier 6.0 application may cause emporary sturting of leaf wascoing of sorghum. Sorghum will normally outgrow these symptoms in 10-14 Lays. For best performance managine emergence surface applications within 5 days of the last preplant tillage. If weeks have emerged, apply Frontier 6.0 with

weeds have emerged, apply Frontier 6.0 with herocides to control the emerged vegetation. For pest weed control in scrahum produced under impation, use a migintum of 20 fluid ounces of Frontier 6.0 per 20 Secretary for any control of the entering for any

Strahum forage may be grazed or fed to livestock 60 as or more after apolication of Frontier 6.0, Grain odder may be harvested and fed 80 days or more after application of Frontier 6.0.

Sorghum Tank Mixes

Frontier 6.0 may be tank mixed or applied sequentially in sorghum with one or more of the following heroicide products according to the specific tark mixing instructions in this label and respective phrought labels. Read and follow the applicable

Restrictions and Limitations and Directions For Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

- Atrazine
- Banvel*
- Clarity³
- Cyclone[®]
- Fallowmaster*
- Gramoxone® Extra
- Landmaster®
- Roundup Ultra
- 2.4-D
- abdition to the tank mix partners listed above, ontier 6.0 can be used in sequential applications with the following:
 - Basagran
 - Buctril*
 - Laddok®S-12
- Marksman®
- Weedmaster®

Soybean

Frontier 6.0 may be used as a rectant surface. preplant incorporated, pre-efficiency e or early postemergence (up to the third true and stage) treatment to solve and as a single of split application. If Frontier 6.0 is a plied preplant incorporated, the incorporated treatment and shallow (upper 1 graphs) before the potential for crop injury. Present incorporated treatments are notrecommended on soils with CEG values less than 5 or coarse soils with less than 1.5% organic matter). if extreme conditions of high rainfall and extended periods of water saturated soil occur during solvean mination or early seedling development, Frontier guardan or early seeding develop.

Suppression. Temporary soybean burn and stunting may occur if application of Frontier 6.0, spray adjuvants and tank mixed herbicides are applied to emerged soybeans up through the unifoliate stage. These suppressions have **not resulted** in reduced soybean yield potential.

Crop-Specific Restrictions and Limitations Do not graze or feed forage, hay, or straw to livestock.

Soybean Tank Mixes

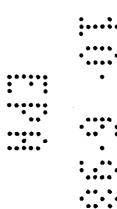
Frontier 6.0 may be tank mixed or applied sequentially in soybean with one or more of the following herbicide products according to the specific tank mixing instructions in this label and respective product labels. Read and follow the applicable Restrictions and Limitations and Directions For Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

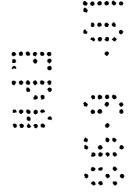
- Assure®II
- **Authority®**
- Basagran®
- Blazer®
- Canopy®
- Canopy® XL
- Command®
- FirstRate®
- Flexstar®
- Fusilade®
- Fusion®
- Galaxy®
- Gramoxone® Extra

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- Lexone®
- Liberty®
- Lorox

- Poast[®]
- Poast Plus®
- Prowi[®]
- Pursuit*
- Python3
- Raptor[®]
- Reliance®
- Roundup® Ultra
- Scepter[®]
- Select[®]
- Sencor
- Sonalan*
- Storm®
- Synchrony® STS™
- Touchdown[®]
- Treflan®





Crops:

This product can be used on the following crops:

Corn (Field, Pop, Seed, and Sweet) Dry Bean Peanut Sorghum (Grain) Soybean

Look inside for complete Restrictions and Limitations and Application Instructions.

Pests listed in this label:

Common Name	Scientific Name
Barnyardgrass	Echinochica crus-zalli
Carpetweed	Mullugo verticillata
Crabgrass, Large	Digitaria sanguinais
, Smooth	Digitara ischaemun
Cupgrass, Southwestern	Enochipa gracilis
Eclipta	Eclipta aiba
Flatsedge, Rice	Cyperus ina
Foxtail, Giant	Setaria falceri
, Green	Setarie viridis
, Yellow	Setaria lutescens
Goosegrass	Eleusine indica
Johnsongrass (seedling)	Sorghum raleperse
Nightshade, Black) Solanum riigirum
, Eastern Black	Solanum stycantrum
, Hairy	Solanum samachbdes
Nutsedge, Yellow	Cyperus espulentus
Panicum, Fall	Panicum dichotomiforum
, Texas	Panicum texanum
Pigweed, Amaranth	Amarenthus painen
, Prostrate	Amarantrus blitoites
, Redroot	Amaranthus retrofeirus
, Smooth	i Amarentrus hybridus
, Tumble	: Amarenthus spiritisus
Purslane, Common	. Portulada dieradea
Pusley, Florida	Richardia scapra
Red Rice	Oryza sative
Signalgrass, Broadleaf	- <u>Brachana diatonika</u>
Spurge, Nodding,	Euphorola nutant
, Spotted	, Euphordia madulita
Waterhemp, Common	i Amaranthus rudi:
<u>(</u> , Tail	Amaranthus tubertuatus
Vitchgrass	, Panicum capillare

Additional Information

For additional information, call EASF's **CountSERV** at 1-800-874-0081.

Conditions of Sale and Warranty

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASE CORPORATION ("BASE") or the Seler. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably for for the purposes referred to in the Directions For **Use.** subject to the inherent risks, referred to above. BASE MÁKES NO OTHER EXPRESS OR IMPLIED WARANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASE OR THE SELLER BE LIABLE FOR CONSEQUENTIAL SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be vared only by agreement in writing signed by a duly

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