TACKLE Herbicide

ACTIVE INGREDIENTS:
Imazethapyr: (s)-2-[(4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl)-
5-ethyl-3-pyridinecarboxylic acid .................................................. 1.4%
Glyphosate: N-(phosphonomethyl)glycine, in the form of its isopropylamine salt .......... 41.0%
INERT INGREDIENTS: ........................................................................ 57.6%
TOTAL: ......................................................................................... 100.0%
TACKLE contains 4.128 pounds of active ingredient per gallon (0.128 pounds acid equivalent of imazethapyr and 4 pounds of glyphosate as the isopropylamine salt).

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

This is a specimen label intended for use only as a guide in providing general information regarding use of this product. As labels are subject to revisions, always carefully read and follow the label on the product.

IN CASE OF A MEDICAL EMERGENCY INVOLVING THIS PRODUCT,
CALL TOLL FREE, DAY OR NIGHT, 1-866-303-6950.

Read the entire label before using this product.
Use only according to label instructions.
Read the WARRANTY DISCLAIMER, INHERENT RISKS OF USE, and LIMITATION OF REMEDIES before buying or using.
If terms are not acceptable, return product unopened without delay.
SEE LABEL BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND USE DIRECTIONS.

FIRST AID

IF IN EYES:
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.
In case of a medical emergency involving this product, call toll free, day or night, 1-866-303-6950.

EPA Reg. No. 67760-87
EPA Est. No. 5905-GA-01

Cheminova, Inc.
One Park Drive, Suite 150
Research Triangle Park, NC 27709
www.cheminova.com

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CLEARFIELD, PROWl and PURSUIT are registered trademarks of BASF.
Roundup Ready Soybeans is a registered trademark of Monsanto Company.
DUAL MAGNUM is a registered trademark of a Syngenta Group Company.
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION
Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

Personal Protective Equipment (PPE):
Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance chart.

Applicants and other handlers must wear:
- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as butyl rubber 2.14 mls, or natural rubber 2.14 mls, or neoprene rubber 2.14 mls, or nitrile rubber 2.14 mls.
- Shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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 drain holes), septic, sanitary or irrigation systems, drains, ponds, or swales. Only necessary amounts of this product shall be mixed together. If excess material remains, place the container in a safe location until it is no longer recyclable.

Dry mixing must be used in a manner which will prevent back spattering in drums, waste or improper disposal of excess paste 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 Tribal, contact the agency responsible for pesticide regulation.

The labeling must be in the possession of the user at the time of herbicide application. Not for sale or use on Long Island, New York.

AGRICULTURAL USE REQUIREMENTS
Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR part 190. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notices, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and the restricted entry interval (REI). 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 48 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plant, soil, or water, is:
- Coveralls.
- Protective eyewear.
- Chemical-resistant gloves, such as butyl rubber 2.14 mls, or natural rubber 2.14 mls, or neoprene rubber 2.14 mls, or nitrile rubber 2.14 mls.
- Shoes plus socks.

STORAGE AND DISPOSAL
PESTICIDE STORAGE
Do not contaminate water, foodstuffs, feed or sedentary storage or disposal.

CONTAINER DISPOSAL
Nonrefillable containers 5 gallons or less:
- Nonrefillable containers: Do not reuse or refill this container. After using, discard container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and agitate. Drain for 10 seconds after the flour begins to drip. Repeat this procedure two more times. Immediately after this procedure, discard container. Do not reuse or refill this container. After using, discard container. Option is available to discard by burning. Double rinse (or equivalent) promptly after emptying. Double rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Discard container on the container and roll it back and forth, ensuring at least one complete revolution, for 5 to 10 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the container into application equipment or a mix tank and store container for later use or disposal. Repeat this procedure two more times.

Nonrefillable containers 5 gallons or larger:
- Nonrefillable container: Do not reuse or refill this container. After using, discard container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Discard container on its back and roll it back and forth, ensuring at least one complete revolution, for 5 to 10 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the container into application equipment or a mix tank and store container for later use or disposal. Repeat this procedure two more times.

GENERAL INFORMATION
TACKLE herbicide provides broad-spectrum and residual control of many broadleaf and grass weeds in soybeans. It can be applied to no-till soybeans as a burndown prior to planting. It may also be applied postemergence to Roundup Ready® soybeans for season-long weed control. TACKLE is effective for control of difficult weeds common to no-till production.

Occasionally, intermittent shortening and/or temporary discoloring of crop plants may occur following an application of TACKLE. These effects occur infrequently and are usually temporary.

BURNDOWN WEED CONTROL, (no-till soybeans and state seedbed)
Apply TACKLE for burndown of weeds in no-till soybeans. It may be applied prior to planting, or preemergence of any soybean variety (including Roundup Ready® or non-Roundup Ready® soybeans). Add 5-4-0 or dicamba products to the spray tank for enhanced control of perennial weeds including woody and broadleaf species.

ROUNDUP READY SOYBEANS (glyphosate-resistant)
TACKLE may also be applied for postemergence weed control in Roundup Ready® soybeans. Apply TACKLE for general weed burndown and season-long control of broadleaf and grass weeds.

For season-long control of grass weeds, apply an approved preemergence herbicide prior to planting soybeans. Herbicides such as PROW® 3.3 EC, PRORA, PRORA, and DUAL MAGNUM® brands will also enhance control of kochia. A postemergence application of TACKLE will control many broadleaf weeds and provide season-long control of most broadleaf and grass weeds.

When mixing TACKLE herbicides with 2,4-D, dicamba products, or soybean preemergence herbicides, always use it in accordance with the more restrictive label limitations and precautions. No label storage times should be exceeded. This product cannot be mixed with any product containing a label restriction against such mixing.

When organophosphate (such as chlorpyrifos) or carbamate insecticides are tank-mixed with TACKLE, temporary injury may result in the treated crop.

NOTE: DO NOT apply TACKLE postemergence to non-glyphosate-resistant soybeans.

ATTENTION
AVOID CONTACT OF TACKLE WITH FOLIAGE OF DESIRABLE PLANTS, BECAUSE SEVERE INJURY OR PLANT KILL MAY RESULT.

AVOID DRIFT: EXTREME CARE MUST BE TAKEN WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

DO NOT allow the herbicide solution to drift onto desirable vegetation. Very small amounts of drift may cause injury or death to desirable crops or plants. The likelihood of injury occurring from the use of this product increases when winds are gusty. The risk of injury from this product increases when wind direction is constantly changing or during inversion conditions or other weather conditions that favor drift. Avoid applications using high spray pressure and high speed. These contribute to conditions that favor small spray droplets and drift.

BUDGEOLOGY
BURNDOWN WEED CONTROL (no-till soybeans and state seedbed)
Apply TACKLE at the rate of 2 to 3% parts per acre. (One gallon will treat 4 acres of soybeans at this rate.)

ROUNDUP READY SOYBEANS (glyphosate-resistant) – in crop postemergence weed control
For no-till weed competition to the soybeans, apply to weeds 1-4 inches in size. Apply TACKLE at the rate of 2 to 3% parts per acre. (One gallon will treat 4 acres of soybeans at this rate.)

TWO APPLICATIONS
Preplant burnoff of TACKLE can be applied at the rate of 2 to 3% parts per acre, 0-3 weeks prior to planting, followed by applying TACKLE at the rate of 2 to 3% parts per acre POST application, 2-3 weeks after planting. 
MIXING INSTRUCTIONS
BURNDOWN OR POSTEMERGENCE APPLICATIONS: TACTLE REQUIRE THE ADDITION OF A SURFACANT AND FERTILIZER.

1. SURFACANT: Use a non-ionic surfactant containing at least 50% active ingredient. Apply the surfactant at the rate of 1 pint per 100 gallons of spray mixture (0.125% v/v of the spray mixture). Use only surfactants approved for application to growing crops.

AND

2. FERTILIZER: Include a fertilizer in the spray solution. Add spray grade ammonium sulfate at the rate of 8.5-17 lbs. per 100 gallons of spray solution. Use the higher rate when weeds are under moisture or temperature stress.

When mixing TACTLE, while agitation, add components in the following order:
1) Fill spray tank 1/2 full with clean water.
2) Add surfactant to the spray tank.
3) Add TACTLE and thoroughly mix.
4) Add fertilizer to the spray tank.
5) While agitating, fill the remainder of the tank with water.

DRIFT CONTROL ADDITIVES
Drift control additives may be included to either ground or aerial applications. When a drift control agent is used, read and carefully observe the precautionary statements and all other information appearing on the additive label.

To avoid injury to sensitive crops, spray equipment used for TACTLE herbicide applications must be drained and thoroughly cleaned with water before being used to apply other products.

When TACTLE is used in combination with another herbicide, refer to the respective label for mixing, tank mixing, precaution, proper timing, weeds controlled, resistant weed species, and precautions. Always use in accordance with the more restrictive label restrictions and precautions and do not tank mix TACTLE with other herbicides. TACTLE cannot be mixed with any product containing a label prohibiting such mixtures.

SPRAYING INSTRUCTIONS
DO NOT apply when weeds are growing in low-light conditions or under other conditions that favor drift. Maintain appropriate buffer zones between treated fields and adjacent desirable vegetation. Exposed leaves or other green tissue may be damaged or killed by drift from TACTLE.

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

To ensure thorough coverage, use a minimum of 20 gallons of water per acre when applying to small or tall crops. Use higher gpm 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 nozzles for postemergence applications.

Avoid overlaps when spraying.

TACTLE HERBICIDE APPLICATIONS WITH A LOW VOLUME SPRAYER
TACTLE may be applied to soybeans with a low volume (Spray-Coupe type) sprayer. When applying TACTLE with a low volume sprayer, spray the weeds before they reach the maximum size listed in this table. 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.

When applying TACTLE with a low volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage. Lower nozzle pressure will minimize the potential for drift to desirable vegetation.

AERIAL APPLICATION
Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. When applying 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 0.15% v/v of spray solution and ammonium sulfate at the rate of 3.5 lbs per 100 gallons (See instructions under APPLICATION INFORMATION - POSTEMERGENCE).

To avoid injury to sensitive crops from drift, aerial applications must adhere to the following:
- Nozzle height above ground must be a maximum of 10 feet.
- Nozzles must be pointed toward the rear of the aircraft. The downwind angle of the nozzle should not be greater than 20 degrees.
- To minimize wing tip vortex airflow, nozzles or spray boom must not be located any closer to end of wing or closer than three-fourths the distance from the center of the aircraft.
- Use a maximum spray pressure of 40 psi.
- A buffer zone must be established between the area to be sprayed and sensitive crops.

DO NOT spray when wind velocity is greater than 5 mph. Coarse sprays (larger droplets) are less likely to drift.

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

APPLICATION INFORMATION
POSTEMERGENCE
TACTLE herbicide is effective in controlling weeds in conservation tillage as well as in conventional or row-crop systems. Apply TACTLE as a postemergence treatment. Application timing should be based on weed size and not crop growth stage. Apply TACTLE to crops and weeds that are actively growing.

A non-ionic surfactant 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 specific instructions.

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

For maximum weed control, cultivate 1-10 days following a postemergence TACTLE herbicide application. This timely cultivation will enhance residual weed control, especially under dry conditions.

TACTLE should be applied in a minimum of one hour before rainfall or overhead irrigation. Unusually cool temperatures (<50°F) or leaf reduce phototropism and transpiration and then reduce uptake, translocation, and efficacy of TACTLE in weeds.

If air temperature has been below 50°F for 10 or more hours, delaying a TACTLE herbicide application for 48 hours after the temperature increases above 50°F will improve weed control and reduce crop response.

NO-TILL/MINIMUM TILLAGE AND DOUBLE CROP SOYBEANS
TACTLE controls existing weeds and provides residual control of several weeds when applied early postemergence to 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 chart for weeds controlled and recommended weed speed).

The selection of PREGLIDE, PREGLIDE II or GLADIUM brands, in a tank-mix with TACTLE for burn-down weed control, will provide season-long control of grass and enhance control of waterhemp.

For improved burn-down weed control, TACTLE may be tank-mixed with 2,4-D or dicamba containing products. Refer to the 2,4-D and dicamba product labels for application rates and intervals between application and planting.

WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>Broadleaf Weeds</th>
<th>Maximum Size (inches)</th>
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<tbody>
<tr>
<td>Weeds Controlled</td>
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<tr>
<td>TACTLE Controlled</td>
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<tr>
<td>Alligator weed</td>
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<td>Amaranthus Palmer</td>
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<td>Anoda, spicata</td>
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<td>Arctium, urticae</td>
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<td>Butcherburr</td>
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<td>Bristly starlit</td>
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<td>Burdockserrata</td>
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<td>Cappadzweel</td>
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<tr>
<td>Chinozweel</td>
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<td>Cocklebur, common</td>
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<td>Cuspedgeweed</td>
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<td>Hoaglronch, spicata</td>
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<td>Kudrieweed</td>
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<td>Kochia</td>
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<th>Grass Weeds</th>
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<td>Crabgrass</td>
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<td>Johnsongrass</td>
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<td>Plateau</td>
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<tr>
<td>Yellow</td>
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1 Reduced competition
ROTATIONAL CROP INTERVALS
The following rotational crops may be planted after applying TACKLE herbicide at the specified rate. (Plants earlier than the specified interval may result in crop injury.)
1. Anytime:
   - CLEARDIFF® corn seed hybrids (resistant/tolerant to PURSUIT® herbicide)
   - Lima
   - Peanuts
   - Southern peas
   - Soybeans
2. Four months after TACCLE herbicide application:
   - Alfalfa
   - Clover
   - CLEARDIFF Wheat
   - Early beans and peas (other than lima beans and Southern peas)
   - Rye (except in North Dakota and Minnesota north of highway 219)
   - Wheat
3. Eight and one-half months after TACKLE herbicide application:
   - Field corn
   - Field corn grown for seed
4. Nine and one-half months after TACKLE herbicide application:
   - Barley
   - Tobacco
5. Twelve months after TACKLE herbicide application:
   - CLEARDIFF canola varieties (tolerant to PURSUIT herbicide)
6. Eighteen months after TACKLE herbicide application:
   - Cotton
   - Lentil
   - Oats
   - Popcorn
   - Rye (North Dakota and Minnesota north of highway 219)
   - Safflower
   - Sorghum
   - Sunflower
   - Sweet corn
7. Twenty-six months after TACCLE herbicide application:
   - Rice
   - Potatoes
8. Forty months after TACKLE herbicide application:
Following forty months after a TACKLE herbicide application, and before planting any crop not listed elsewhere in the ROTATIONAL CROP GUIDELINES, 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 both areas and kernels, and include varieties in soil types and pH. If no injury is evident in the test strip, the intended rotational crop may be planted the following year. Sugarcane production can be reduced when grown in soil conditions with a pH less than 6.0. If the field is to be used for sugarcane production, follow normal practices for growing sugarcane. Apply the lime at least 12 months prior to planting the rotational crop.
Use of TACKLE Herbicide in accordance with label directions is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors may make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

EXCEPTIONS TO ROTATIONAL CROP GUIDELINES
Wheat:
Wheat may be planted 3 months following a TACKLE Herbicide application in areas east of interstate highway 1-5.
Sweet corn and popcorn varieties:
- (States of Iowa, Illinois, Indiana, Ohio, Wisconsin, Minnesota and Tennessee only)
Sweet corn and popcorn varieties may be planted the year following an application of TACKLE. Items sweet corn and popcorn varieties may be injured when planted at less than 18 months following an application of TACKLE. Before planting sweet corn for processing, contact the processor company for information and recommendations regarding the tolerance of popcorn varieties planted for sweet corn varieties planted for fields treated with TACKLE the previous year. DO NOT plant fresh market sweet corn varieties prior to 18 months after Tapestries herbicide use. Before planting popcorn, contact the popcorn company for information and recommendations regarding the tolerance of popcorn varieties planted for fields treated with TACKLE the previous year. Since growing conditions, environmental conditions and grower practices are beyond the control of Cheminova, Inc., ALL RISKS AND CONSEQUENCES ASSOCIATED WITH PLANTING SWEET CORN OR POPCORN VARIETIES INTO FIELDS TREATED PREVIOUSLY WITH TACKLE Herbicide SHALL BE ASSIGNED BY THE USER.

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