

63588-15

03/09/2009

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Don Carlson  
Product Registration  
K-1 Chemical U.S.A. Inc.  
11 Martine Avenue, Suite 970  
White Plains, NY 10606

MAR 9 2009

Subject: Label Notification for Pesticide Registration Notice 2007-4  
(Storage & Disposal Changes)

Dear Carlson:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated February 16, 2009 for:

**EPA Registration 63588-15 "Fluthiacet-Methyl WSP Herbicide"**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number K-I Chemical U.S.A. Inc. / 63588-15	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) K-I Chemical U.S.A. Inc. / Fluthiacet-Methyl WSP Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) K-I Chemical U.S.A Inc. 11 Martine Avenue, Suite 970, White Plains, NY 10606  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar to that registered in the composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. <u>MAR 09 2009</u> Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of TPA's regulations at 40 CFR subsections 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR subsections 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. 3 oz. No. per container 10	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt 3 oz. No. per container 10	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) Water Sol. Bag
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3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container  
30 oz. bag

5. Location of Label Directions  
 Bag & Supplemental Label

6. Manner in Which Label is Affixed to Product  
 Lithograph Paper glued Stenciled  Other Labeling on WSB outer-pack

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Don Carlson	Title Regulatory Affairs Representative	Telephone No. (Include Area Code) 215-439-6504
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**Certification**  
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Don Carlson</i>	3. Title Regulatory Affairs Representative	6. Date Application Received (Stamped)
4. Typed Name Don Carlson	5. Date February 16, 2009	



K-I Chemical U.S.A., Inc.

**NOTIFICATION**

**MAR 09 2009**

### Fluthiacet-Methyl WSP Herbicide

Herbicide for postemergence control of velvetleaf and other broadleaf weeds in soybeans, field corn, sweet corn, and popcorn

Active Ingredient:

fluthiacet-methyl\* ..... 4.75%

Other Ingredients ..... 95.25%

Total ..... 100.00%

\*Acetic acid, [[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1H,3H-[1,3,4]thiadiazolo[3,4-c]pyridazin-1-ylidene amino)]phenylthio]-methyl ester (CAS No. 117337-19-6)

Fluthiacet-Methyl WSP Herbicide is wettable powder packaged in a water-soluble bag.

### 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 detail.)

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of soap and water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate – vomiting may cause aspiration pneumonia.	
<b>HOT LINE NUMBER</b>	
<b>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</b>	
For 24-Hour Medical Emergency Assistance (Human or Animal): Call 1-888-454-3801	
For Chemical Emergency Assistance (Spill, Leak, Fire or Accident): Call 1-800-424-9300	

EPA Reg. No. 63588-15

EPA Est. No.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**

Harmful if swallowed or absorbed through skin. Avoid contact with skin. Remove contaminated clothing and wash before reuse. Discard clothing and/or other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Wash thoroughly with soap and water after handling.

**Applicators and other handlers must wear:**

- long-sleeved shirt and long pants
- chemical-resistant gloves such as barrier laminate, butyl rubber  $\geq$  14 mils, or viton  $\geq$  14 mils
- shoes plus socks
- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash all PPE separately from other laundry.

**Engineering Control Statements**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT**

When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

**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.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates, and to some plants at very low concentrations. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**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.

**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 and restricted-entry interval.

Do not enter or allow worker entry into treated areas during the **restricted-entry interval (REI) of 12 hours.**

PPE required for early entry into 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 ≥14 mils, or viton ≥14 mils
- shoes plus socks

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

**\*\*\*\*\* USE IN CORN AND SOYBEANS \*\*\*\*\***

**GENERAL INFORMATION**

Fluthiacet-Methyl WSP Herbicide is a postemergence herbicide for control of velvetleaf and other broadleaf weeds in soybeans, field corn, sweet corn, and popcorn (includes field corn, sweet corn, and popcorn grown for seed). Fluthiacet-Methyl WSP Herbicide must be applied after emergence of the crop and broadleaf weeds. There is a wide application timing window for use in soybean and corn. For use in soybean the application window ranges from first trifoliolate to the full flowering stage. For use in corn, the application window ranges from the 2-leaf stage (2 visible collars) until the corn is 48 inches tall or prior to tasseling, whichever comes first. Refer to Table 2 for a list of the broadleaf weeds controlled.

Fluthiacet-Methyl WSP Herbicide will control velvetleaf up to 36 inches tall. Fluthiacet-Methyl WSP Herbicide will also control or partially control certain other annual broadleaf weeds. Partial control means significant activity but not always at a level generally considered acceptable for commercial weed control. When tank mixed, Fluthiacet-Methyl WSP Herbicide may enhance the performance of other herbicides in the control of certain broadleaf weeds (see Table 2). Fluthiacet-Methyl WSP Herbicide does not control grasses. Therefore, if grasses are present at the time of application, Fluthiacet-Methyl WSP Herbicide should be mixed with an appropriate postemergence herbicide registered for grass control.

The amount of Fluthiacet-Methyl WSP Herbicide to apply and the degree of weed control resulting from an Fluthiacet-Methyl WSP Herbicide application depend upon a variety of factors such as weeds present, stage of growth of the weeds, environmental conditions, and growing conditions. Weeds under stress because of lack of moisture, low soil fertility, mechanical or chemical injury, may not be controlled as well as actively growing weeds. Weed death or inhibition can be expected quickly – normally within 48 hours after application.

To be effective, Fluthiacet-Methyl WSP Herbicide must contact the weed foliage. Thorough coverage with the spray solution gives the most effective weed control. A large crop and/or weed canopy as well as a dense crop and/or weed canopy can prevent the spray from reaching smaller weeds resulting in reduced control of these smaller weeds.

Soybean and corn are tolerant of Fluthiacet-Methyl WSP Herbicide when applied according to label directions. Some bronzing, crinkling, or spotting of crop leaves may occur. Soybean and corn rapidly outgrow these effects and develop normally with no reduction in yield.

Cotton is very sensitive to Fluthiacet-Methyl WSP Herbicide. Do not allow spray to contact cotton.

**Grazing/Feeding and Harvesting Restrictions**

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

Do not harvest or feed corn grain or stover (fodder) until 90 days after the last application of Fluthiacet-Methyl WSP Herbicide.

Do not harvest or feed field corn forage until 30 days after the last application of Fluthiacet-Methyl WSP Herbicide.

Do not harvest or feed sweet corn forage or ears until 40 days after the last application of Fluthiacet-Methyl WSP Herbicide.

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**MIXING INSTRUCTIONS**

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**Spray Additives**

An adjuvant approved for use on growing crops is required with Fluthiacet-Methyl WSP Herbicide for maximum consistent performance.

**1. Adjuvants for Fluthiacet-Methyl WSP Herbicide Alone**

Use a spray adjuvant from one of these classes for optimum performance:

**Non-ionic surfactant (NIS)** – with a minimum of 80% of the constituents effective as spray adjuvant at the rate of 1 quart/100 gals. of spray volume (concentration of 0.25%)

**Crop Oil Concentrate (COC)** – petroleum or vegetable-based containing not less than 12% emulsifier at 1-2 pts./A. The concentration should not exceed 2.5% volume/volume. COC is recommended under conditions of dry soil and low relative humidity.

**Silicone-based surfactant** – at a rate of 1 qt./100 gals. or a spray volume concentration of 0.25% or as specified on the adjuvant label.

In addition to an adjuvant, urea ammonium nitrate (UAN) at 1-2 qts./A or spray grade ammonium sulfate (AMS) at 1.5-2.5 lbs./A may also be added to the spray solution. Do not use liquid fertilizer as the total carrier solution.

**2. Adjuvants for Fluthiacet-Methyl WSP Herbicide in Tank Mixtures with Other Herbicides**

When tank mixing with other herbicides, use the adjuvant recommended for use with the tank mix partner. Follow all restrictions and precautions on the tank mix partner's label.

**Compatibility Test**

A jar test is recommended before mixing to ensure Fluthiacet-Methyl WSP Herbicide compatibility with tank mix partners and adjuvants. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredient rates.

- 1. Add 1.0 pt. of water to each of 2 one-quart jars with tight lids.

**Note:** Use the same source of water and the other components in the compatibility test that will actually be tank mixed and applied. It is important that all components are mixed at a temperature similar to the temperature of those used for the actual application.

- 2. To one of the jars, add ¼ tsp. or 1.2 milliliters of a compatibility agent approved for this use, such as Compex® or Unite® (1/4 tsp. is equivalent to 2 pt./100 gals. spray). Shake or stir gently to mix.
- 3. To **both** jars, add the appropriate amount of herbicide(s). If more than one herbicide is used, add them separately with dry herbicides first, flowables next, and emulsifiable concentrates last. Finally, add the appropriate amount of any adjuvants that will be used. After **each** addition, shake or stir gently to thoroughly mix. The appropriate amount of herbicides for this test follows:

**Dry Herbicides and Adjuvants:** For each pound to be applied per acre, add 1.4 tsp. to each jar.

**Liquid Herbicides and Adjuvants:** For each pint to be applied per acre, add 0.5 tsp. or 2.5 milliliters to each jar.

- 4. After adding all ingredients, put lids on and tighten, and invert each jar 10 times to mix. Let the mixtures stand 15-30 minutes and look for separation, large flakes, precipitates, gels, heavy oil film on the jar, or other signs of incompatibility. Determine if a compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility.
  - a. Slurry the dry pesticide(s) in water before addition, or
  - b. Add ½ the compatibility agent to the water and the other ½ to the emulsifiable concentrate or flowable pesticide before addition to the mixture. If incompatibility is still observed, do not use the mixture.

After compatibility testing is complete, dispose of any pesticide wastes according to the **Storage and Disposal** section of this label.

**How to Mix**

1. The spray equipment must be clean before using this product. If it is contaminated with other materials, mixing problems and/or clogging may occur or crop injury may occur.
2. Prepare no more spray mixture than is needed for the immediate application, and do not let the spray mixture stand in the spray tank overnight.
3. Maintain maximum agitation throughout the spraying operation.
4. Water-soluble packets must always be the first material put into the spray tank after water. Water-soluble packets must be completely dissolved and dispersed in clean water only before any other tank mix partners, including adjuvants, micronutrients, or other fertilizers are added to the spray solution. Boron, especially in the form of a micronutrient additive, such as Solubor®, etc., may prevent water-soluble packets from dissolving.
5. Flush the spray equipment thoroughly after each use and apply rinsate to a previously-treated area.

**Mixing Fluthiacet-Methyl WSP Herbicide Alone**

1. Add ¼-½ of the required amount of **clean** water to the spray or mixing tank.
2. With the agitator running, add the required amount of Fluthiacet-Methyl WSP Herbicide to the spray tank. Continue agitation in the spray tank and allow product to fully and uniformly disperse.
3. Add the spray adjuvant and continue agitation while adding the rest of the water.
4. Maintain agitation until all of the mixture has been applied.

**Mixing Fluthiacet-Methyl WSP Herbicide in Tank Mixtures with Other Herbicides**

Fluthiacet-Methyl WSP Herbicide is compatible with most commonly used herbicides, insecticides, fungicides, and spray adjuvants. BEFORE MIXING FLUTHIACET-METHYL WSP HERBICIDE WITH OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR THE USE ON THE PARTICULAR CROP AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF FLUTHIACET-METHYL WSP HERBICIDE. When using Fluthiacet-Methyl WSP Herbicide in a tank mixture with other pesticides, observe the most restrictive label limitations and precautions for the products being used.

Mixing Fluthiacet-Methyl WSP Herbicide with acifluorfen or lactofen-containing products (such as Blazer®, Galaxy®, Cobra®, or Storm®) can improve the control of velvetleaf by these products. However, these tank mixes will not control velvetleaf as well as Fluthiacet-Methyl WSP Herbicide applied alone.



**Tank Mixing Steps**

1. Add ¼ -½ of the required amount of clean water to the spray or mixing tank.
2. With the agitator running, drop the required number of packets of any products packaged in water-soluble packets into the tank all at once. Continue agitation in the spray tank and allow the packets to completely dissolve and the contents of the packets to fully and uniformly disperse.
3. While maintaining agitation, continue filling the spray tank. When the tank is ¾ full, add any dry formulation tank mix partners and allow them to completely and uniformly disperse.
4. Add the required amount of Fluthiacet-Methyl WSP Herbicide to the spray tank while maintaining agitation. After the product has completely and uniformly dispersed into the tank mix, add any other liquid tank mix partners and allow them to completely and uniformly disperse.
5. Add the proper amount of spray adjuvant and continue agitation while adding the remaining water.
6. Complete filling the tank with clean water and maintain sufficient agitation at all times to insure surface action until the mixture is uniform.
7. To avoid product degradation, apply the Fluthiacet-Methyl WSP Herbicide spray mixture within 48 hours of mixing, and do not leave the spray mixture in the tank without continuous agitation.
8. After use, thoroughly clean the sprayer according to this label (see Cleaning Spray Equipment) and any tank mix partner labels.

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**APPLICATION PROCEDURES AND PRECAUTIONS**

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**Chemigation**

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

**Aerial Application**

Do not apply this product by air.

**Ground Application**

Apply Fluthiacet-Methyl WSP Herbicide in a minimum of 15 gals. of water/A with 20-40 psi pressure at the nozzles. If a dense crop and/or weed canopy is present, use up to 40 gals. of water per acre and 50-70 psi pressure at the nozzles.

**Note: When using higher nozzle pressures, use extreme caution to avoid spray drift to nearby crops.**

Use a pump with enough capacity to maintain a rippling or rolling action in the spray tank. For a uniform spray mixture, agitation during mixing and application is required.

**HOW MUCH TO APPLY**

**Table 1. Rates of Application of Fluthiacet-Methyl WSP Herbicide in Soybean, Field Corn, Sweet Corn, and Popcorn**

	Number of Packets Required			
	Tank Mixed with Another Labeled Broadleaf Herbicide		Applied Alone or with a Grass Control Herbicide*	
	Touchdown® Roundup® Original, or Roundup® Ultra (for use in glyphosate tolerant crops)	Other postemergence broadleaf herbicides (see Table 3)	Standard Rate	Enhanced Rate for Improved Control of Difficult Weeds
	1.0 oz./A	1.2 oz./A	1.5 oz./A	2.25 oz./A
1.3	--	--	--	1
2	--	--	1	--
2.5	--	1	--	--
3	1	--	--	--
4	--	--	2	3
5	--	2	--	--
6	2	--	3	--
8	--	--	4	6
10	--	4	5	--
12	3	--	6	9
20	--	8	10	15
30	10	12	15	--
50	--	20	25	--
60	20	24	30	45
80	--	32	40	60
100	--	40	50	75

\*See Table 2 for list of weeds controlled.

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## WHEN TO APPLY

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### Weed Stage of Growth

Apply Fluthiacet-Methyl WSP Herbicide after weeds have emerged and are actively growing, but before the weeds have reached the maximum height listed in Table 2. Application after weeds have reached the listed maximum height for control could result in commercially unacceptable weed control.

Avoid applying Fluthiacet-Methyl WSP Herbicide if weeds cannot be evenly covered with the spray or when spray drift is possible. To reduce spray drift, do not apply if wind speed is 10 mph or greater. Avoid overlapping the spray pattern since this may increase chances for crop injury.

### Soybean Stage of Growth

Fluthiacet-Methyl WSP Herbicide may be applied to soybeans from the first trifoliolate through the full flowering stage of development. To avoid possible illegal residues, the last application should be made no later than 60 days before harvest. This product requires a pre-harvest interval (PHI) of 60 days.

### Field Corn, Sweet Corn, and Popcorn Stages of Growth

Fluthiacet-Methyl WSP Herbicide may be applied to corn from the 2-leaf stage (2 visible collars) to 48 inches tall, but before tasseling.

### Cultivation

Do not cultivate within 2 days before or 2 days after applying this product.

### Application Precautions

1. Do not apply more than 1.25 fl. oz./A of Fluthiacet-Methyl WSP Herbicide per cropping season.
2. Do not apply if crop is under severe stress due to drought, cold weather, hail, flooding, water-logged or compacted soil, disease, insect damage, nutrient deficiency (especially low nitrogen levels), or other causes.
3. Fluthiacet-Methyl WSP Herbicide can be applied in tank mixtures to weeds taller than the maximum heights listed in Table 2 provided the application follows all timing and rate precautions on the tank mix partner's label.
4. Application to weeds that are under severe stress due to drought or to weeds that are taller than the optimum heights listed in Table 2 may result in reduced weed control.
5. Do not irrigate within 4 hours of application of Fluthiacet-Methyl WSP Herbicide. Rainfall or irrigation may wash Fluthiacet-Methyl WSP Herbicide off of the weeds during this period and reduce performance.
6. Observe all precautions and limitations on the label of each product used in tank mixture with Fluthiacet-Methyl WSP Herbicide.

**Spray Drift Precautions**

Do not allow spray to drift onto adjacent land or crops. When drift may be probable, do everything possible to reduce spray drift, including:

- 1. Do not spray if wind speeds are gusty or become 10 mph or greater.
- 2. Use extreme caution when conditions favor drift (high temperatures, low relative humidity).
- 3. Do not apply during a temperature inversion. If an inversion is suspected, consult the local weather service before applying Fluthiacet-Methyl WSP Herbicide.
- 4. These practices can further reduce drift:
  - a. Using nozzles that provide a uniform droplet size. Use spray nozzles that provide medium-coarse droplets (250-400 microns VMD). Nozzles that produce extremely small droplets are more likely to cause spray drift.
  - b. Apply as close to target plants as practical while maintaining a good spray pattern for adequate spray coverage.

**CLEANING SPRAY EQUIPMENT**

The sprayer must be cleaned before and after use of Fluthiacet-Methyl WSP Herbicide. Failure to do so may result in unsatisfactory results with Fluthiacet-Methyl WSP Herbicide or injury to other crops sprayed with the equipment. Refer to the label of the product used previously or tank mixed with Fluthiacet-Methyl WSP Herbicide for additional cleaning instructions.

When Fluthiacet-Methyl WSP Herbicide has been used alone:

- 1. Fill the sprayer with clean water.
- 2. Add a commercial sprayer cleaner.
- 3. Circulate the mixture through the system.
- 4. Spray approximately 1/2 through the hose, boom, and nozzles to an area that has already been treated.
- 5. Drain the remaining solution.
- 6. Rinse the entire system with clean water.
- 7. Spray the rinsate on an area that has already been treated.

When Fluthiacet-Methyl WSP Herbicide has been tank mixed:

Refer to the label of the product used previously or tank mixed with Fluthiacet-Methyl WSP Herbicide for cleaning instructions.

**WEEDS CONTROLLED / APPLICATION RATES**

**1. Fluthiacet-Methyl WSP Herbicide Alone**

At the rates and timings listed, Fluthiacet-Methyl WSP Herbicide controls the weeds listed in Table 2 when the product is applied alone after emergence of soybean, field corn, sweet corn, or popcorn, and weeds. Fluthiacet-Methyl WSP Herbicide only controls certain broadleaf weeds after they emerge and does not provide residual control of weeds that emerge later. Weeds larger than the size indicated in Table 2 may only be partially controlled.

**Table 2. Broadleaf Weeds – Application Rate for Fluthiacet-Methyl WSP Herbicide Applied Alone with an Adjuvant**

Weed Species	(0.6 fl. oz./A)		(0.9 fl. oz./A)	
	Leaf Stage*	Maximum Height (in.)	Leaf Stage*	Maximum Height (in.)
Anoda, spurred ( <i>Anoda cristata</i> )	2	2	3	4
Burcucumber ( <i>Sicyos angulatus</i> )	2	2	2	2
Jimsonweed ( <i>Datura stramonium</i> )	2**	2**	4	2
Nightshade, black ( <i>Solanum nigrum</i> )	2**	2**	2**	2**
Nightshade, eastern black ( <i>S.ptycanthum</i> )	2**	2**	2**	2**
Lambsquarters, common ( <i>Chenopodium album</i> )	4**	2**	4-6	2
Pigweed, redroot ( <i>Amaranthus retroflexus</i> )	4**	2**	4-6	4
Pigweed, smooth ( <i>A. hybridus</i> )	2**	2**	2-4	4
Velvetleaf ( <i>Abutilon theophrasti</i> )	--	36	--	36
Waterhemp, common ( <i>Amaranthus rudius</i> )	--	--	2	2
Waterhemp, tall ( <i>A. tuberculatus</i> )	--	--	2	2

\*Count individual leaves except the cotyledons.

\*\*Partial control or suppression.

**2. Fluthiacet-Methyl WSP Herbicide in Tank Mixtures with Other Postemergence Herbicides to Improve Broadleaf Weed Control**

Fluthiacet-Methyl WSP Herbicide may be applied postemergence with Touchdown®, Roundup® Original or Roundup® Ultra or other postemergence broadleaf herbicides approved for use on soybeans. Tank mixing Fluthiacet-Methyl WSP Herbicide with other postemergence herbicides may increase the speed of activity and/or level of control of the weeds listed in Table 2. When mixed with any of the tank mix partners listed in Table 3, Fluthiacet-Methyl WSP Herbicide will control velvetleaf up to 36 inches tall.

Refer to Table 3 for the amount of Fluthiacet-Methyl WSP Herbicide to apply per acre and a list of tank mix partners. Follow all directions, restrictions and precautions on the EPA-approved label for each product in the tank mixture. Refer to Table 1 for the amount of Fluthiacet-Methyl WSP Herbicide to use.

Table 3. Fluthiacet-Methyl WSP Herbicide Tank Mix Partners – Broadleaf Control

Tank Mix Partner		
Soybean	Corn	
Basagran®	2,4-D	Marksman®
Blazer®	AAtrex®	Permit®
Classic®	Accent®	Poast Plus®
Cobra®	Banvel®	Poast® HC
Concert® SP	Basagran®	Pursuit®
Flexstar® HL	Basis™	Spirit™
Galaxy®	Basis Gold®	Stinger®
Manifest®	Beacon®	Tough®
Pinnacle®	Buctril®	
Pursuit®	Clarity®	
Raptor®	Exceed®	
Reflex®	Headline®	
Reliance™ STS® SP	Hornet®	
Roundup® Original	Laddok® S-12	
Roundup® Ultra	Lightning®	
Scepter® O.T.®		
Status®		
Storm®		

\*If a second application is needed, do not apply more than a total of 1.25 oz. of Fluthiacet-Methyl WSP Herbicide per acre per season.

### 3. Fluthiacet-Methyl WSP Herbicide in Tank Mixtures for Grass Weed Control

Fluthiacet-Methyl WSP Herbicide does **not** provide grass control, but it can be tank mixed with any postemergence grass herbicide registered for control of grasses in soybeans, field corn, sweet corn, or popcorn. The tank mixture will provide control / partial control of the weeds listed in Table 2 and the grasses listed on the tank mix partner's label. See Table 1. for use rates in mixture with a grass control herbicide.

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### CROP FAILURE -- IMMEDIATE REPLANTING

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If soybeans or corn treated with Fluthiacet-Methyl WSP Herbicide is lost due to a natural catastrophe such as hail or frost, soybeans or corn can be replanted immediately, provided this is not restricted on the label of a product used previously or by a product applied in a tank mixture with Fluthiacet-Methyl WSP Herbicide.

For control of weeds in the replanted crop, Fluthiacet-Methyl WSP Herbicide may be applied postemergence a second time but the total amount of Fluthiacet-Methyl WSP Herbicide applied during the cropping season must not exceed 3 oz./A.

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## ROTATIONAL CROPS

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If crop failure occurs, to avoid illegal residues replant soybeans or corn only. All other crops may be planted at normal rotation intervals following application of Following Fluthiacet-Methyl WSP Herbicide.

**Note:** For rotational crop restrictions when Fluthiacet-Methyl WSP Herbicide is used in tank mixtures or sequentially with other products, refer to the rotation intervals on the other product label for possible additional restrictions.

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## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place. Do not store this product under wet conditions. Handle outer bag carefully to avoid breakage of inner water-soluble packets.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of at an approved waste disposal facility.

**CONTAINER DISPOSAL:**

***Nonrefillable Container*** – *Do not reuse or refill this container. After depositing water soluble bag into application equipment or a mix tank assure that overpack is completely empty by shaking and tapping sides and bottom to loosen any clinging particles and empty residue into application equipment or mix tank.* Do not reuse outer *packaging* container. *Dispose of water soluble bag overpacks and outer packaging* container in a sanitary landfill, or incinerate if allowed by state and local authorities. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

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## CONDITIONS OF SALE AND WARRANTY

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**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 reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must 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 the manner of use or application, all of which are beyond the control of K-I Chemical U.S.A., Inc. or the Seller. All such risks shall be assumed by the Buyer.

To the extent consistent with applicable law, K-I Chemical U.S.A., Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. K-I Chemical U.S.A., Inc. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall K-I Chemical U.S.A., Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. K-I Chemical U.S.A., Inc. 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 varied only by agreement in writing signed by a duly authorized representative of K-I Chemical U.S.A., Inc.



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K-I Chemical U.S.A., Inc.  
11 Martine Ave.  
White Plains, NY 10606

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