

PM23

59639-100

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 29 1999

Joseph L. Powell
Valent U.S.A. Corporation
1333 N. California Blvd., Ste. 600
Walnut Creek, CA 94596

Dear Mr. Powell:

Subject: Revised Labeling - Addition of Plantback Intervals
Resource 80 WP Herbicide
EPA Registration No. 59639-100
Your Submission Dated October 19, 1999

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Delete the phrase "As a broadcast treatment,..." from the beginning of the first restriction in list of use restrictions for soybeans, so that it reads "Do not apply more than 1.62 oz./A (0.081 lb. ai/A) of RESOURCE 80 WP in a single application or more than a total of 2.16 oz./A (0.108 lb. ai/A) to soybeans during a single growing season."
- 2) The restriction "Do not apply this product within 60 days of harvesting soybeans", currently located within the General Restrictions section, should be either relocated or repeated in the section for Use Restrictions For Resource 80 WP Applied To Soybeans.

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

DK:305-7546: HB/PM23

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	11/29/99							

The Agency has recently revised its recommended First Aid statements for pesticide products and intends to issue a PR Notice announcing the changes in the near future. In the interim we are encouraging registrants to begin using the new statements. The new statements were developed as part of the Consumer Labeling Initiative in close cooperation with poison control center personnel and other medical experts. While it is not mandatory that you revise your label at this time, you are strongly encouraged to substitute the revised statements (below) for those statements currently on the label at your next label printing:

"FIRST AID

If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then <i>continue rinsing</i>. • Call a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.

"Have the product container or label with you when calling a poison control center or doctor or going for treatment."

Sincerely yours,

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

Enclosure

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ACCEPTED
with COMMENTS
In EPA Letter Dated

NOV 29 1999

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

59639-100

RESOURCE[®] 80 WP HERBICIDE

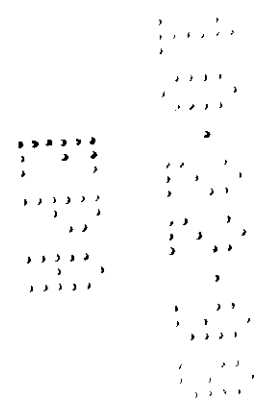
Active Ingredient	By Wt.
Flumiclorac pentyl ester (pentyl [2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenoxy]acetate)	80%
Other Ingredients	20%
U.S. Patent No. 4,770,695	

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET WEIGHT 0.4 POUND (184 GRAMS)
Water Soluble Packaging



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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Keep out of reach of children. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT:

- If in eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.
- If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.
- 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.
- Note to Physicians:** Emergency Information - call 1-800-892-0099.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove 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:

This product is toxic to shrimp. Keep out of lakes, ponds or streams. 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 washwater or rinsate.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

Do not apply during wind speeds of greater than 10 miles per hour or during inversions. Local regulations permitting, an inversion can be identified by discharging a column of smoke. During an inversion, the column of smoke will rise and then abruptly level off. Sometimes during an inversion, the smoke can be seen to drop below the height at which the leveling off occurred. In the absence of an inversion the smoke will continue to rise and disperse into the atmosphere.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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.

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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. For any requirements specific to your State, consult the agency in your State responsible for pesticide regulation.

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves and shoes plus socks.

**DISCLAIMER, CONDITIONS OF SALE,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY**

IMPORTANT: Read the entire Label including this Disclaimer, Limited Warranty and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened product within 15 days of purchase.

RISKS OF USING THIS PRODUCT

It is impossible to eliminate all risks associated with the use of this product. Such risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, moisture conditions, irrigation practices, presence of other materials, cultural practices or the manner of use or application, all of which are factors beyond the control of Valent. All such risks shall be assumed by the Buyer.

Valent shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on the label. User assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product described above.

DISCLAIMER OF ALL OTHER WARRANTIES

VALENT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

In no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THIS PRODUCT.**

NO AMENDMENTS

Valent and Seller offer this product, and Buyer and User accept it, subject to the foregoing Disclaimer, Conditions of Sale, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

PROMPT NOTICE OF CLAIM

Valent must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from date of application) so that an immediate inspection of the affected property and growing crops can be made. Unless Buyer and Users shall promptly notify Valent of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.



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GENERAL INFORMATION

GENERAL RESTRICTIONS

RESOURCE 80 WP Herbicide is a selective herbicide for postemergence control of susceptible broadleaf weeds in field corn and soybeans. For broad spectrum weed control, apply RESOURCE 80 WP in a recommended tank mix.

Do not apply by air.

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

Do not make more than two applications per acre per season.

Do not apply this product within 60 days of harvesting soybeans.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL PERFORMANCE

For best results, RESOURCE 80 WP should be applied to actively growing plants within the growth stages indicated in this label. Applying RESOURCE 80 WP under conditions that do not promote active weed growth will reduce herbicide effectiveness. Do not apply RESOURCE 80 WP when the crop or weeds are under stress due to drought, excessive water, extremes in temperature, disease, or low humidity. Weeds under stress tend to become less susceptible to herbicidal action. RESOURCE 80 WP is most effective when applied under sunny conditions at temperatures above 70°F.

RAINFASTNESS

RESOURCE 80 WP is rainfast one hour after application. Applications should not be made if rain is expected within one hour of application or efficacy may be reduced.

CARRIER VOLUME AND SPRAY PRESSURE

Use RESOURCE 80 WP on a broadcast basis in a minimum of 15 gals. of water per acre and a spray pressure of 35 to 60 PSI measured at the spray nozzle. If weed populations are moderate to heavy and/or weeds are approaching maximum labeled size and/or crop canopy is dense, use a minimum of 20 GPA of water and a spray pressure of 40 to 60 PSI. Nozzle selection should meet manufacturer's gallonage and pressure recommendation for postemergence herbicide application.

ADDITIVES

Control of weeds by RESOURCE 80 WP requires the addition of an agronomically approved adjuvant to the spray mixture. Either a crop oil concentrate or methylated seed oil, which contains at least 15% emulsifiers and 80% oil, may be used when applying RESOURCE 80 WP. Certain tank mixes require the use of a non-ionic surfactant. Non-ionic surfactants must contain at least 80% active ingredient and must be EPA approved for use on food crops. Mixing compatibility qualities should be verified by a jar test.

A spray grade nitrogen source (either ammonium sulfate (AMS) at 2.0 to 2.5 lb./A or a 28 to 32% nitrogen solution at 1 to 2 qts./A) must be added to the spray mixture along with either a crop oil concentrate, methylated seed oil, or non-ionic surfactant to enhance weed control. The addition of a nitrogen source does not replace the need for crop oil concentrate, methylated seed oil, or non-ionic surfactant.

JAR TEST TO DETERMINE COMPATIBILITY OF ADJUVANTS AND RESOURCE 80 WP HERBICIDE

A jar test should be performed before mixing commercial quantities of RESOURCE 80 WP, when using RESOURCE 80 WP for the first time, when using new adjuvants, or when a new water source is being used.

1. Add 1 pt. of the water to a quart jar. The water should be from the same source and temperature as will be used in the spray tank mixing operation.
2. Add 0.15 gm. of RESOURCE 80 WP to the quart jar, gently mix until product dissolves.
3. Add 6 ml. (1 teaspoon) of the crop oil concentrate or methylated seed oil to the quart jar, gently mix. If a non-ionic surfactant is being used in a tank mix, add 2.5 ml (0.3 teaspoon) of the non-ionic surfactant in place of the oil.
4. Add 16 ml. (1 tablespoon or 0.5 oz.) of the 28 to 32% nitrogen source to the quart jar. If ammonium sulfate (AMS) is being used, add 19 gms. AMS to the quart jar in place of the 28 to 32% nitrogen. Ammonium sulfate should be added to the jar before the RESOURCE 80 WP in step 2.

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5. Place cap on jar, invert 10 times, let stand for 15 minutes, evaluate.
6. An ideal tank mix combination will be uniform and free of suspended particles. If any of the following conditions are observed, the choice of adjuvant should be questioned:
 - a) Layer of oil or globules on the mixture's surface.
 - b) Flocculation: Fine particles in suspension or as a layer on the bottom of the jar.
 - c) Clabbering: Thickening texture (coagulate) like gelatin.

WATER SOLUBLE PACKAGING

Table of Equivalents

Table 1. Number of Acres Treated per RESOURCE 80 WP Herbicide Packaged in Water Soluble Bags

#Acres/ Water Soluble Bag	24	16	12	8	6	4
Oz. of RESOURCE 80 WP/A	0.27	0.40	0.54	0.81	1.08	1.62

The outer protective bag contains one RESOURCE 80 WP water soluble packet. The entire inner packet and the contents dissolve and disperse in water. After opening the outer protective bag, immediately add the unopened inner packet into a partially-filled sprayer or mix tank. Do not handle the soluble packet excessively or expose it to water as this may cause rupturing.

MIXING INSTRUCTIONS

1. Fill clean spray tank 1/3 to 1/2 of desired level with clean water.
2. While agitating, add the required amount of RESOURCE 80 WP. Agitation should create a rippling or rolling action on the water surface. If tank mixing RESOURCE 80 WP with other labeled pesticides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates, and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
3. Add any required adjuvants.
4. Add 28 to 32% nitrogen, unless ammonium sulfate (AMS) is being used. If AMS is being used as the nitrogen source, it should be added after water soluble bags and before dry herbicides.
5. Fill spray tank to desired level with water. Agitation should continue until spray solution has been applied.
6. Mix only the amount of spray solution which can be applied the day of mixing. RESOURCE 80 WP will remain active in the spray solution for 12 hours.

APPLICATION EQUIPMENT

Application equipment should be clean and in good repair. Nozzles should be uniformly spaced on boom and frequently checked for accuracy. Ground speed should not exceed 10 mph to provide proper spray coverage. Boom height, ground speed, and pressure recommendations, should not exceed those recommended by the spray nozzle manufacturer for the type and size of nozzle being used. Improper use of the selected spray nozzle will adversely affect the spray pattern, prevent proper coverage of weed leaf surface, and reduce weed control. Refer to the manufacturer's spray chart for nozzle selection and operating information. Special attention should be given to preparing and operating the spray equipment to assure proper coverage of weed foliage.

BROADCAST APPLICATION

Apply RESOURCE 80 WP and RESOURCE 80 WP tank mixes with ground equipment using standard commercial sprayers equipped with flat fan (including split-nozzle systems which spray in opposite directions) or hollow cone nozzles designed to deliver the desired spray pressure and spray volume. DO NOT USE flood nozzles. Thorough weed coverage is required for optimum control. Spray nozzles should be centered at a maximum of 20-inch spacing to provide adequate coverage.

BAND APPLICATION

When banding, use proportionately less water and RESOURCE 80 WP per acre. Banding equipment should be adjusted to provide maximum coverage of weeds in the row. A minimum of two nozzles per row is required to provide optimum coverage of weed foliage.

SEQUENTIAL APPLICATIONS

A sequential application of RESOURCE 80 WP can be made after a minimum of 14 days have passed following the first application of RESOURCE 80 WP to control new flushes of susceptible weeds in field corn and soybeans.

APPLICATION & CULTIVATION

Do not cultivate prior to or during application. Do not generate excessive dust while spraying. Excessively dusty conditions may interfere with the coverage of the weed leaf surface by the spray solution. A timely cultivation approximately one week after application will assist in weed control.

CROP FAILURE

If the crop treated with RESOURCE 80 WP is lost due to a catastrophe, such as hail or other forms of violent weather, refer to crop Rotational Restrictions below.

ROTATIONAL RESTRICTIONS

1. Do not rotate to crops other than soybeans or field corn within 30 days after last RESOURCE 80 WP Herbicide application.
2. Do not rotate to small grains for at least 120 days after last application of RESOURCE 80 WP Herbicide.

DIRECTIONS FOR USE IN FIELD CORN

Do not use RESOURCE 80 WP Herbicide on popcorn or sweet corn.

USE RESTRICTIONS FOR RESOURCE 80 WP APPLIED TO FIELD CORN:

Do not apply RESOURCE 80 WP to field corn before the 2 leaf or after the 10 leaf stage.

Do not apply more than 1.08 oz./A (0.054 lb. ai/A) of RESOURCE 80 WP in a single application or more than a total of 1.08 oz./A (0.054 lb. ai/A) to field corn during a single growing season.

Do not graze animals on green forage or use as feed less than 28 days after RESOURCE 80 WP application.

GENERAL INFORMATION

RESOURCE 80 WP can be used on field corn grown for commercial seed production. However, do not apply RESOURCE 80 WP to seed corn without first verifying with your seed corn supplier the RESOURCE 80 WP selectivity on your inbred line. This precaution will help avoid potential injury on sensitive varieties. Use on inbred lines or other genetic material used in a breeding program is done at the sole risk of the user.

TIMING TO FIELD CORN

RESOURCE 80 WP may be applied to field corn from the 2 leaf through the 10 leaf stage. Determine the leaf stage of corn by counting only those leaves with leaf collars visible. A temporary crop response may be observed following a postemergence broadcast application of RESOURCE 80 WP. Corn leaves which are open at the time of application may show some burn or spotting. Corn quickly outgrows all initial herbicide effects. When RESOURCE 80 WP is used as directed, corn yields will not be adversely affected.

TIMING TO WEEDS

Identify weed species as early as possible. Recommended rates, weed species, and maximum weed heights for effective control with RESOURCE 80 WP as a stand-alone broadcast or drop-nozzle application are indicated in Table 2. Refer to Table 1 for number of acres treated per RESOURCE 80 WP package in water soluble bags. Recommended tank mixes are listed in Table 3.

DROP-NOZZLE APPLICATIONS

Drop-nozzle application should be made after corn has reached a sufficient height for the spray to be directed beneath the corn leaves or when corn leaves prevent proper spray coverage of weeds. When making a drop-nozzle application, the rate of crop oil concentrate should be 1 qt./A. Since the activity of RESOURCE 80 WP is enhanced when the 1 qt./A rate of crop oil concentrate is used, care must be taken to minimize exposure of corn leaves to the spray. Do not apply RESOURCE 80 WP directly into the corn whorl when making an

application using drop-nozzles (post directed application).

Table 2. RESOURCE 80 WP Herbicide - Rates and Weed Sizes for Broadcast and Drop-Nozzle Application in Field Corn

BROADCAST APPLICATION RATES AND TIMING				
Weeds Controlled		Crop Oil Concentrate Rate	Application Rates	
Common Name	Scientific Name		0.54 oz./A	0.81 oz./A
			Leaf Stage	
Velvetleaf	<i>Abutilon theophrasti</i>	1 to 2 pts./A	up to 5	up to 6
Adjuvant: RESOURCE 80 WP must be applied with 1 to 2 pts./A of crop oil concentrate or methylated seed oil plus a spray grade nitrogen source (either ammonium sulfate at 2.0 to 2.5 lbs./A or 28 to 32% nitrogen solution at 1 to 2 qts./A).				

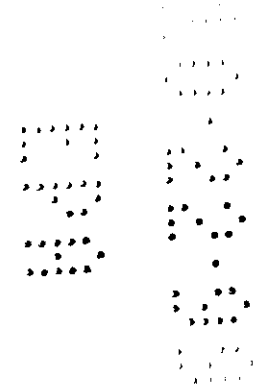
DROP-NOZZLE APPLICATION RATES AND TIMING					
Weeds Controlled		Crop Oil Concentrate Rate	Application Rates		
Common Name	Scientific Name		0.54 oz./A	0.81 oz./A	1.08 oz./A
			Leaf Stage		
Velvetleaf	<i>Abutilon theophrasti</i>	1 qt./A	up to 6	up to 8	up to 10
Adjuvant: RESOURCE 80 WP must be applied with 1 qt./A of crop oil concentrate or methylated seed oil plus a spray grade nitrogen source (either ammonium sulfate at 2.0 to 2.5 lbs./A or 28 to 32% nitrogen solution at 1 to 2 qts./A).					

APPLICATION INFORMATION FOR TANK MIXES IN FIELD CORN

Apply RESOURCE 80 WP at 0.54 to 1.08 oz./A to control velvetleaf. To control additional weeds in field corn, RESOURCE 80 WP may be tank mixed with approved herbicides. Approved tank mix herbicides are indicated in Table 3. For best results, RESOURCE 80 WP tank mix applications should be made to actively growing weeds. Do not apply RESOURCE 80 WP tank mixes during periods when corn and/or weeds are under stress or when conditions do not favor active weed growth. For maximum control, weeds must receive thorough spray coverage.

Crop response from RESOURCE 80 WP tank mix applications may be greater than that occurring from RESOURCE 80 WP applied alone. Crop response from RESOURCE 80 WP is temporary and does not adversely effect crop yield when applied following label use directions.

Always read and follow label directions for all tank mix products before using. The most restrictive labeling of any tank mix product must be followed. RESOURCE 80 WP, when applied according to label use directions, will control the weeds listed in Table 2. This label makes no claims concerning control of other weed species.



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Table 3. RESOURCE 80 WP Herbicide Tank Mix Combinations for use in Field Corn

2,4-D AMINE	BROMOXYNIL	LADDOK*	PURSUIT ²
2,4-D ESTER	BUCTRIL*	LIBERTY ¹	ROUNDUP ³
ACCENT*	CLARITY*	LIGHTNING ²	ROUNDUP* ULTRA ³
ATRAZINE	EXCEED*	MARKSMAN*	SPIRIT*
BANVEL*	GLYPHOSATE ³	NORTHSTAR*	
BEACON*	HORNET*	PERMIT*	

¹ Use only on varieties legally designated as LIBERTYLINK*.

² Use only on varieties legally designated as IMI-CORN*.

³ Use only on varieties legally designated as ROUNDUP READY*.

ADDED VELVETLEAF CONTROL IN FIELD CORN TANK MIXES

Tank mix RESOURCE 80 WP at 0.54 oz./A with any of the tank mix partners listed in Table 3 to control velvetleaf up to the 6 leaf stage. RESOURCE 80 WP, at 0.27 oz./A, may be added to the tank mix partners listed in Table 3 to control velvetleaf up to the 4 leaf stage. RESOURCE 80 WP may be added to any labeled two and three-way tank mix of products listed in Table 3 for enhanced velvetleaf control. Refer to tank mix partner's label for adjuvant recommendation.

ROUNDUP READY* PROGRAM IN FIELD CORN

RESOURCE 80 WP can be added to glyphosate containing products labeled for use in field corn for increased control of velvetleaf. Refer to Table 4 for product and rate recommendations.

Table 4. RESOURCE 80 WP Herbicide Tank Mixes in Roundup Ready¹ Systems for Increased Velvetleaf Control²

		RESOURCE 80 WP Rates and Velvetleaf Size		
		Velvetleaf Leaf Stage		
Product	Rates	0.27 oz./A	0.40 oz./A	0.54 oz./A
GLYPHOSATE	0.75 to 1.5 lbs. ai./A	6	7	8
ROUNDUP ULTRA	1.5 to 3.0 pts./A	6	7	8
ROUNDUP	1.5 to 3.0 pts./A	6	7	8

¹ Use only on corn varieties legally designated as ROUNDUP READY.

² Use adjuvant recommended on glyphosate containing product's label.

DIRECTIONS FOR USE IN SOYBEAN

USE RESTRICTIONS FOR RESOURCE 80 WP APPLIED TO SOYBEANS:

As a broadcast treatment, do not apply more than 1.62 oz./A (0.081 lb. ai/A) of RESOURCE 80 WP in a single application or more than a total of 2.16 oz./A (0.108 lb. ai/A) to soybeans during a single growing season.

Do not apply RESOURCE 80 WP if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.

Do not graze treated fields or harvest for forage or hay.

TIMING TO SOYBEANS

RESOURCE 80 WP may be applied to soybean until 60 days prior to harvest. A temporary crop response may be observed following a postemergence broadcast application of RESOURCE 80 WP. Soybean leaves that are open at the time of application may show some burn or spotting. Soybean quickly outgrows all initial herbicide effects. When RESOURCE 80 WP is used as directed, soybean yields will not be adversely affected.

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TIMING TO WEEDS

Identify weed species as early as possible. Recommended rates, weed species and maximum weed heights for effective control with RESOURCE 80 WP as a stand-alone broadcast application are indicated in Table 5. Refer to Table 1 for number of acres treated per RESOURCE 80 WP packaged in water soluble bags. Recommended tank mixes are listed in Table 6.

Table 5. RESOURCE 80 WP Herbicide Rates and Weed Sizes for Broadcast Application in Soybeans

Weeds Controlled		Crop Oil Concentrate Rate	Application Rates:		
Common Name	Scientific Name		0.54 oz./A	0.81 oz./A	1.08 oz./A
Velvetleaf	<i>Abutilon theophrasti</i>	1 qt./A	up to 6	Up to 8	up to 10
Adjuvant: RESOURCE 80 WP must be applied with 1 qt./A of crop oil concentrate or methylated seed oil plus a spray grade nitrogen source (either ammonium sulfate at 2.0 to 2.5 lbs./A or 28 to 32% nitrogen solution at 1 to 2 qts./A).					

CONTROL OF TALL VELVETLEAF				
Weeds Controlled		Crop Oil Concentrate Rate	Application Rates:	
Maximum Velvetleaf Growth Stage			1.08 oz./A	1.62 oz./A
		1 qt./A	up to 10-leaf or 24 inches tall	up to 30 inches tall
Adjuvant: RESOURCE 80 WP, when used alone, must be applied with 1 qt./A of crop oil concentrate plus a spray grade nitrogen source (either ammonium sulfate at 2.0 to 2.5 lbs./A or 28 to 32% nitrogen solution at 1 to 2 qts./A).				

APPLICATION INFORMATION FOR TANK MIXES IN SOYBEANS

Apply RESOURCE 80 WP at 0.54 to 1.62 oz./A to control velvetleaf at the growth stages listed in Table 5. To control additional weeds in soybeans, RESOURCE 80 WP may be tank mixed with approved herbicides. Approved tank mixes are indicated in Tables 6. For best results, RESOURCE 80 WP tank mix applications should be made to actively growing weeds. Do not apply RESOURCE 80 WP tank mixes during periods when soybeans and/or weeds are under stress or when conditions do not favor active weed growth. For maximum control, weeds must receive thorough spray coverage.

Crop response from RESOURCE 80 WP tank mix applications may be greater than that occurring from RESOURCE 80 WP applied alone. Crop response from RESOURCE 80 WP is temporary and does not adversely effect crop yield when applied following label use directions.

Always read and follow label directions for all tank mix products before using. The most restrictive labeling of any tank mix product must be followed. RESOURCE 80 WP, when applied according to label use directions, will control the weeds listed in Table 2. This label makes no claims concerning control of other weed species.

Table 6. RESOURCE 80 WP Herbicide Tank Mix Combinations in Soybeans

BASAGRAN ^o	GALAXY ^o	REFLEX ^o	STORM ^o
BLAZER ^o	GLYPHOSATE ³	RELIANCE ^{o2}	SYNCHRONY ^{o2}
CLASSIC ^o	LIBERTY ^{o1}	RESULT ^o	
COBRA ^o	MANIFEST ^o	ROUNDUP ULTRA ^{o3}	
CONCLUDE ^o	PINNACLE ^o	ROUNDUP ^{o3}	
FIRSTRATE ^o	PURSUIT ^o	SCEPTER ^o	
FLEXSTAR ^o	RAPTOR ^o	SELECT ^o	

¹ Use only on varieties legally designated as LIBERTY LINK.
² Use only on varieties legally designated as STS.
³ Use only on varieties legally designated as ROUNDUP READY.

ADDED VELVETLEAF CONTROL IN SOYBEAN TANK MIXES

Tank mix RESOURCE 80 WP at 0.54 oz./A to any of the tank mix partners listed in Table 6 to control velvetleaf up to the 6-leaf stage. RESOURCE 80 WP, at 0.27 oz./A, may be added to the tank mix partners listed in Table 6 to control velvetleaf up to the 4-leaf stage. RESOURCE 80 WP may be added to any labeled two and three-way tank mix of products listed in Table 6 for enhanced velvetleaf control. Refer to tank mix partner's label for adjuvant recommendation.

ROUNDUP READY PROGRAM IN SOYBEANS

RESOURCE 80 WP can be added to glyphosate containing products labeled for use in soybeans for increased control of velvetleaf. Refer to Table 7 for product and rate recommendations.

Table 7. RESOURCE 80 WP Herbicide Tank Mixes in ROUNDUP READY¹ Systems for Increased Velvetleaf Control²

		RESOURCE 80 WP Rates and Velvetleaf Size		
		Velvetleaf Leaf Stage		
Product	Rates	0.27 oz./A	0.40 oz./A	0.54 oz./A
GLYPHOSATE	0.75 to 1.5 lbs. ai/A	6	7	8
ROUNDUP ULTRA	1.5 to 3.0 pts./A	6	7	8
ROUNDUP	1.5 to 3.0 pts./A	6	7	8

¹ Use only on soybean varieties legally designated as ROUNDUP READY.
² Use adjuvant recommended on glyphosate containing product's label.

STORAGE AND DISPOSAL

PROHIBITIONS

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

STORAGE

Store in a cool dry place. Protect from excessive heat. Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Not for use or storage in or around the home. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

Do not reuse the outer bag. Dispose of outer bag in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

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