

PM-23

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Reg # 59639-82

19 12

JAN 18 1996

Eric D. Bruce
Valent U.S.A. Corporation
1333 N. California Blvd., Ste. 600
Walnut Creek, CA 94596

Dear Mr. Bruce:

Subject: Revised Labeling - Revised Pre-Harvest Interval for Use
on Soybeans; General Editing
Resource Herbicide
EPA Registration No. 59639-82
Your Submission Dated March 31, 1995

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 provision:

Add the appropriate Net Contents statement.

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

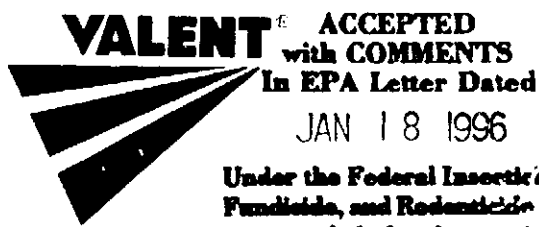
Sincerely yours,

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

Enclosure

DK: 305-7546: FHB/PM23

		CONCURRENCES						
SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	1/17/96							



VALENT® ACCEPTED
with COMMENTS
In EPA Letter Dated

JAN 18 1996

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

59639-82

RESOURCE® 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-isindol-2-yl)phenoxy]acetate)	10.6%
Inert Ingredients*	89.4%
* Contains aromatic petroleum distillates.	
Contains 0.86 pounds flumiclorac pentyl ester per gallon.	
* U.S. Pat No. 4,770,695	

KEEP OUT OF REACH OF CHILDREN
WARNING - AVISO
SEE BELOW FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

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, please find someone to explain it to you in detail.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing.

STATEMENT OF PRACTICAL TREATMENT:

If in eyes: Flush with plenty of water. Get medical attention.

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

If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol. Call a Physician or Poison Control Center immediately. If medical advice cannot be obtained, take person and product container to the nearest emergency treatment facility. Gastric lavage is indicated if material was taken internally. **DO NOT INDUCE VOMITING.** Vomiting may induce aspiration pneumonia.

If inhaled: Remove person from exposure area.

Note to Physicians: Emergency Information - call 1-800-892-0099.

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 G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: coveralls worn over short-sleeved shirt and short pants, chemical-resistant gloves such as barrier laminate or viton \geq 14 mils, chemical resistant footwear plus socks, and protective eyewear.

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/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.

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. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

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 worn over short-sleeved shirts and short-pants, chemical-resistant gloves such as barrier laminate or viton \geq 14 mils, chemical-resistant footwear plus socks, and protective eyewear.

GENERAL INFORMATION

Do not apply by air.

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

RESOURCE is a selective herbicide for postemergence control of susceptible broadleaf weeds in soybeans and field corn. RESOURCE Herbicide can be used on field corn grown for commercial seed production. However, the use on inbred lines is not recommended. Use on inbred lines or other genetic material used in a breeding program is done at the sole risk of the user. Do not use on popcorn or sweet corn. RESOURCE is formulated as an emulsifiable concentrate containing 0.86 lbs. of active ingredient per gallon. Good coverage of actively growing weeds is essential for maximum weed control. Addition of an EPA approved spray adjuvant is required when RESOURCE is applied as a stand-alone treatment and for most recommended tank mixes; see Tables S1 through S6 and Tables C1 through C5 for specific adjuvant recommendations.

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

Under conditions of normal weed growth, RESOURCE is rainfast 1 hour after application.

BROADCAST APPLICATION

Apply RESOURCE and RESOURCE tank mixes with ground equipment using standard commercial sprayers equipped with flat fan or hollow cone nozzles. Thorough weed coverage is required for optimum control. Special attention should be given to preparing and operating the spray equipment to assure proper coverage of weed leaf surfaces.

Use RESOURCE on a broadcast basis in a minimum of 10 gals. of water per acre and a spray pressure of 30 to 60 PSI measured at the boom. Apply RESOURCE using flat fan or hollow cone nozzles designed to deliver the desired spray pressure and spray volume.

BAND APPLICATION

When banding, use proportionately less water and RESOURCE 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.

DIRECTIONS FOR USE IN SOYBEANS

Identify your weed species as early as possible and determine the stage of growth by counting the true leaves. Ignore the cotyledon (seed leaves) when you count. Use Tables S1 through S6 to determine rate(s), species and the maximum weed leaf stage at which you may apply RESOURCE alone, or in tank mixes. ~~at the indicated rates for effective control of the listed weed species.~~

A temporary crop response may be observed following a postemergence application of RESOURCE. Soybean leaves which are open at the time of application may show some burn or spotting. Soybeans quickly outgrow all initial herbicide effects. When RESOURCE is used as directed, soybean yields will not be adversely affected.

ADDITIVES:

Control of weeds by RESOURCE Herbicide is enhanced by the addition of an adjuvant to the spray mixture. ~~Use a crop oil concentrate containing at least 15% emulsifier or a non-ionic surfactant as specified in Tables S1 through S6 for each use.~~ Adjuvants are specified in Table S1 (for RESOURCE alone) or in the text preceding Tables S2 through S6 (for RESOURCE in tank mixes). If a crop oil concentrate is the specified adjuvant, use one that contains at least 15% emulsifier. If a non-ionic surfactant is specified, use one that contains at least 90% active surfactant ingredient. Mixing and compatibility qualities should be verified by a jar test.

Addition of a liquid fertilizer (28% or 32% N) to the spray mixture along with either crop oil concentrate or surfactant may further enhance weed control with RESOURCE applications (UAN at 2% v/v or ammonium sulfate at 2.5 lbs./A).

RESOURCE HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

APPLICATION INFORMATION

For best results, RESOURCE should be applied to actively-growing weeds. Do not apply RESOURCE during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE, when used alone, must be applied with 1 qt./A of crop oil concentrate.

Late postemergence control of tall velvetleaf may be achieved with RESOURCE plus 1 qt./A of crop oil concentrate. Addition of a liquid fertilizer (28% or 32% N) to the spray mixture in addition to crop oil concentrate may further enhance control of tall velvetleaf. **For maximum control,** velvetleaf plants must be actively growing and receive thorough spray coverage. If regrowth occurs, a second application of RESOURCE can be made.

Table S1. RESOURCE Herbicide - Soybeans - Rates and Time of Application

BROADLEAF WEED CONTROL				
Weeds Controlled	Crop Oil Concentrate Rate	Application Rates:		
		4 fl.oz./A	6 fl.oz./A	8 fl.oz./A
	1 qt./A	Leaf Stage	Leaf Stage	Leaf Stage
Common Cocklebur		-	-	2 to 3
Common Lambsquarters		-	2 to 3	2 to 3
Common Ragweed		up to 2	up to 4	up to 6
Jimsonweed		-	-	3 to 4
Palmer Amaranth		-	up to 4	up to 4
Pigweeds				
Prostrate		-	up to 3	up to 6
Redroot		-	-	up to 2
Smooth		up to 3	up to 3	up to 4
Prickly Sida		up to 2	up to 3	up to 4
Spotted Spurge		-	-	up to 2
Velvetleaf		up to 6	up to 8	up to 10

LATE CONTROL OF TALL VELVETLEAF			
Weeds Controlled	Crop Oil Concentrate Rate	Application Rates:	
		8 fl.oz./A	12 fl.oz./A
Maximum Velvetleaf Growth Stage	1 qt./A	up to 10-leaf or 24 inches tall	up to 30 inches tall

Use Restrictions for RESOURCE Herbicide Applied to Soybeans:

1. Do not apply RESOURCE within 80-90 days of harvest. Do not apply after podset.
2. Do not apply more than 12 fl. oz./A of RESOURCE in a single application or more than a total of 16 fl. oz./A to soybeans during a single growing season.
3. Do not graze treated fields or harvest for forage or hay.
4. Do not apply RESOURCE if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.

RESOURCE HERBICIDE TANK MIX COMBINATIONS IN SOYBEANS

TANK MIX COMBINATION WITH SELECT® 2 EC HERBICIDE FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

RESOURCE may be applied to soybeans in tank mix combinations with Valent's SELECT 2 EC Herbicide. Tank mix combinations should be applied at rates recommended on the respective labels for each product for control of the target weed species. Crop oil concentrate (1 qt./A) should be used as an adjuvant. Read and follow all label directions for both products. The most restrictive labeling applies when using a tank mix.

TANK MIX WITH COBRA® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

APPLICATION INFORMATION

For best results the RESOURCE plus COBRA tank mix should be applied to actively growing weeds. Do not apply RESOURCE tank mixes during periods when soybeans and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE plus COBRA tank mix must be applied with 1 pt./A crop oil concentrate.

Table S2.
RESOURCE Herbicide & COBRA Herbicide Tank Mix - Soybeans - Rate and Time of Application

Product	Product Rate	Weeds Controlled	Leaf Stage
RESOURCE plus COBRA (2EC)	4 fl. oz./A plus 6 fl. oz./A	Common Cocklebur Common Lambsquarters Hemp Sesbania Pigweeds Palmer Amaranth Redroot Smooth Prickly Sida Ragweeds Common Giant Velvetleaf	2 to 5 2 to 4 3 up to 2 up to 6 up to 6 up to 3 up to 3 up to 6 up to 4 up to 6

Use Restrictions for RESOURCE Herbicide plus COBRA Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the RESOURCE plus COBRA tank mix within 90 days of harvest. Do not apply after podset.
3. Do not graze animals on green forage

4. Do not apply RESOURCE plus COBRA tank mix if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.
5. The recommended order of mixing is to thoroughly disperse COBRA in water, add RESOURCE Herbicide and then add crop oil concentrate.

TANK MIX WITH PURSUIT® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

APPLICATION INFORMATION

For best results the RESOURCE plus PURSUIT tank mix should be applied to actively growing weeds. Do not apply RESOURCE tank mixes during periods when soybeans and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE plus PURSUIT tank mix must be applied with 1 qt./A crop oil concentrate and a liquid fertilizer (28% or 32% N).

Table S3.
RESOURCE Herbicide & PURSUIT Herbicide Tank Mix - Soybeans - Rate and Time of Application

Product	Product Rate	Weeds Controlled	Leaf Stage
RESOURCE plus PURSUIT (2L)	4 fl. oz./A plus 4 fl. oz./A	Common Cocklebur Common Lambsquarters Common Ragweed Pennsylvania Smartweed Pigweeds Redroot Smooth Prickly Sida Velvetleaf Refer to PURSUIT label for additional weeds claimed.	up to 8 1 to 6 up to 6 up to 6 up to 8 up to 8 up to 2 up to 6

Use Restrictions for RESOURCE Herbicide plus PURSUIT Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the RESOURCE plus PURSUIT tank mix within 85 days of harvest. Do not apply after podset.
3. Do not graze animals on green forage, or stubble. Do not utilize hay or straw for animal feed or bedding.
4. Do not apply RESOURCE plus PURSUIT tank mix if rain is expected within 1 hour of application; otherwise

- unsatisfactory weed control may result.
- The recommended order of mixing is to thoroughly disperse PURSUIT in water, add RESOURCE and then add crop oil concentrate ~~non-ionic surfactant~~ and liquid fertilizer.

TANK MIX WITH BASAGRAN® POSTEMERGENCE HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

APPLICATION INFORMATION
For best results the RESOURCE plus BASAGRAN tank mix should be applied to actively growing weeds. Do not apply RESOURCE tank mixes during periods when soybeans and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE plus BASAGRAN tank mix must be applied with 1 qt./A crop oil concentrate.

Table S4. RESOURCE Herbicide & BASAGRAN Herbicide Tank Mix - Soybeans - Rate and Time of Application

Product	Product Rate	Weeds Controlled	Leaf Stage
RESOURCE plus BASAGRAN (4L)	4 fl. oz./A plus 1 pt./A	Common Cocklebur Common Lambsquarters Common Ragweed Pennsylvania Smartweed Pigweeds Redroot Smooth Prickly Sida Velvetleaf Refer to BASAGRAN label for additional weeds claimed	2 to 4 3 to 8 up to 6 up to 6 up to 3 up to 3 up to 2 up to 8

Use Restrictions for RESOURCE Herbicide plus BASAGRAN Herbicide Tank Mix:

- Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
- Do not apply the RESOURCE plus BASAGRAN tank mix within ~~80~~ 60 days of harvest. Do not apply after podset.
- Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.
- Do not apply RESOURCE plus BASAGRAN tank mix if rain is expected within 8 hours of application; otherwise unsatisfactory weed control may result.
- The recommended order of mixing is to thoroughly disperse BASAGRAN in water, add RESOURCE and then add crop oil concentrate.

TANK MIX WITH CLASSIC® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

APPLICATION INFORMATION
For best results the RESOURCE plus CLASSIC tank mix should be applied to actively growing weeds. Do not apply RESOURCE tank mixes during periods when soybeans and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE plus CLASSIC tank mix must be applied with 1 qt./A crop oil concentrate.

Table S5. RESOURCE Herbicide & CLASSIC Herbicide Tank Mix - Soybeans - Rates and Time of Application

Product	Product Rates	Weeds Controlled	Leaf Stage
RESOURCE plus CLASSIC (25 DG)	4 fl. oz./A plus 3/8 oz./A	Common Cocklebur Common Lambsquarters Common Ragweed Pigweeds Redroot Smooth Prickly Sida Velvetleaf	3 to 4 2 to 4 up to 2 up to 3 up to 3 up to 2 up to 6
or			
RESOURCE plus CLASSIC (25 DG)	4 fl. oz./A plus 1/2 oz./A	Common Cocklebur Common Lambsquarters Common Ragweed Pigweeds Redroot Smooth Pennsylvania Smartweed Prickly Sida Velvetleaf Refer to CLASSIC label for additional weeds claimed	6 2 to 4 up to 2 up to 6 up to 4 up to 6 up to 4 up to 6 up to 3 up to 6

Use Restrictions for RESOURCE Herbicide plus CLASSIC Herbicide Tank Mix:

- Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
- Do not apply the RESOURCE plus CLASSIC tank mix within ~~80~~ 60 days of harvest. Do not apply after podset.
- Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.
- Do not apply RESOURCE plus CLASSIC tank mix if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.

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5. Refer to the CLASSIC label for restrictions on soil pH minimum, recropping interval and rotational guidelines.
6. The recommended order of mixing is to thoroughly disperse CLASSIC in water, add RESOURCE and then add crop oil concentrate.

5. The recommended order of mixing is to thoroughly disperse SCEPTER in water, add RESOURCE and then add crop oil concentrate or non-ionic surfactant.

TANK MIX WITH SCEPTER® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

APPLICATION INFORMATION
For best results the RESOURCE plus SCEPTER tank mix should be applied to actively growing weeds. Do not apply RESOURCE tank mixes during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE plus SCEPTER tank mix must be applied with 1 qt./A crop oil concentrate or 0.25% v/v non-ionic surfactant. The use of a crop oil concentrate is preferable if environmental and crop conditions permit.

Table S6. RESOURCE Herbicide & SCEPTER Herbicide Tank Mix - Soybeans - Rates and Time of Application

Product	Product Rates	Weeds Controlled	Weed Size
RESOURCE plus SCEPTER (1.5L) or (70DG)	4 fl. oz./A plus	Common Cocklebur	up to 8"
	5 1/3 fl. oz./A or 14 oz./A	Common Ragweed	up to 2 leaf
		Pigweeds	
		Redroot	up to 4"
		Smooth	up to 4"
		Prickly Sida	up to 2 leaf
		Common Sunflower	up to 4"
		Velvetleaf	up to 6 leaf
		Volunteer Corn	up to 8"

Use Restrictions for RESOURCE Herbicide plus SCEPTER Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the RESOURCE plus SCEPTER tank mix within 90 days of harvest. Do not apply after podset.
3. Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.
4. Do not apply RESOURCE plus SCEPTER tank mix if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.

DIRECTIONS FOR USE IN FIELD CORN

Do not use RESOURCE Herbicide on popcorn or sweet corn.

Identify your weed species as early as possible and determine the stage of growth by counting the true leaves. Ignore the cotyledon (seed leaves) when you count. Use Tables C1 through C5 to determine rate(s), species and the maximum weed leaf stage at which you may apply RESOURCE alone, or in tank mixes, at indicated rates for effective control of listed weed species.

A temporary crop response may be observed following a postemergence broadcast application of RESOURCE. 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 is used as directed, corn yields will not be adversely affected.

ADDITIVES:
Control of weeds by RESOURCE is enhanced by the addition of an adjuvant to the spray mixture. Use a crop oil concentrate containing at least 15% emulsifier as specified in Tables C1 through C6. Adjuvants are specified in Table C1 (for RESOURCE alone) or in the text preceding Tables C2 through C5 (for RESOURCE in tank mixes). If a crop oil concentrate is the specified adjuvant, use one that contains at least 15% emulsifier. If a non-ionic surfactant is specified, use one that contains at least 90% active surfactant ingredient. Mixing and compatibility qualities should be verified by a jar test.

Addition of a liquid fertilizer (28% or 32% N) to the spray mixture along with either crop oil concentrate or surfactant may further enhance weed control with RESOURCE applications (UAN at 2% v/v or ammonium sulfate at 2.5 lbs./A).

RESOURCE HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN FIELD CORN

APPLICATION INFORMATION:
For best results RESOURCE should be applied to actively growing weeds. Do not apply RESOURCE during periods when corn and weeds are under stress. For maximum control, weeds must be actively growing and receive thorough spray coverage.

RESOURCE 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.

Recommended rates, weed species and maximum weed leaf stages for effective control with RESOURCE Herbicide as a stand-alone treatment applied either as a broadcast or as a drop-nozzle application are indicated in Table C1. Drop-nozzle application should be made after corn has reached a sufficient height for the spray to be directed beneath the corn leaves and 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 Herbicide 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.

~~Recommended rates of RESOURCE Herbicide for broadcast applications and drop-nozzle applications are indicated in Table C1 below. RESOURCE Herbicide may be applied alone using drop-nozzles at the rates indicated in Table C1 or in tank mixes at the rates indicated in Tables C2 through C5, after corn has reached a sufficient height for the spray to be directed beneath the corn leaves. Crop oil concentrate should be applied at 1 pt./A in broadcast applications and at 1 qt./A in drop-nozzle applications. Since activity of RESOURCE is enhanced when applied with higher rates of crop oil concentrate, care must be taken to minimize exposure of corn leaves to RESOURCE spray when drop-nozzle applications are made using 1 qt./A of crop oil concentrate.~~

Adjuvant: Broadcast application: RESOURCE should be applied with 1 pt./A of crop oil concentrate. Drop-nozzle application: RESOURCE should be applied with 1 qt./A of crop oil concentrate.

Table C1.
RESOURCE Herbicide - Field Corn - Rates and Time of Application

BROADCAST APPLICATION RATES AND TIMING			
Weeds Controlled	Crop Oil Concentrate Rate	Application Rates:	
		4 fl. oz./A	6 fl. z./A
	1 pt./A	Leaf Stage	Leaf Stage
Common Lambsquarters		-	2 to 3
Common Ragweed		up to 2	up to 3
Palmer Amaranth		-	up to 4
Smooth Pigweed		up to 3	up to 3
Velvetleaf		up to 5	up to 6

DROP NOZZLE APPLICATION RATES AND TIMING				
Weeds Controlled	Crop Oil Concentrate Rate	Application Rates:		
		4 fl. oz./A	6 fl. oz./A	8 fl. oz./A
	1 qt./A	Leaf Stage	Leaf Stage	Leaf Stage
Common Cocklebur		-	-	2 to 3
Common Lambsquarters		-	2 to 3	2 to 3
Common Ragweed		up to 2	up to 4	up to 6
Jimsonweed		-	-	3 to 4
Palmer Amaranth		-	up to 4	up to 4
Pigweeds Prostrate		-	up to 3	up to 6
Redroot		-	-	up to 2
Smooth Prickly sida		up to 3	up to 3	up to 4
Spotted Spurge		up to 2	up to 3	up to 4
Velvetleaf		-	-	up to 2
		up to 6	up to 8	up to 10

Use Restrictions for RESOURCE Herbicide Applied to Field Corn:

1. Do not apply RESOURCE to field corn before the 2-leaf or after the 10-leaf stage.
2. As an over-the-top treatment, do not apply more than 6 fl. oz./A of RESOURCE in a single application or more than a total of 8 fl. oz./A to field corn during a single growing season.
3. As a directed spray using drop nozzles, do not apply more than a total of 8 fl. oz./A of RESOURCE to field corn in a single application or during a single growing season.
4. Do not apply RESOURCE if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.
5. Do not graze animals on green forage or use as feed less than 28 days after RESOURCE application.

**CORN HERBICIDE COMBINATIONS
RESOURCE HERBICIDE TANK MIX
COMBINATIONS IN FIELD CORN**

Recommended herbicides, rates, weed species and maximum weed leaf stage for effective control with RESOURCE Herbicide in tank mix combinations applied either as a broadcast or as a drop-nozzle application are indicated in Tables C2 through C5. Drop-nozzle application should be made after corn has reached a sufficient height for the spray to be directed beneath the corn leaves and when corn leaves prevent proper spray coverage of weeds. When making a drop-nozzle application of RESOURCE Herbicide in a tank mix combination which specifies a crop oil concentrate as the adjuvant, the rate of crop oil concentrate should be 1 qt./A. Since the activity of RESOURCE applied in a tank mix combination is enhanced when the 1

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qt/A rate of crop oil concentrate is used, care must be taken to minimize exposure of corn leaves to the spray.

RESOURCE Herbicide should not be tank mixed with TOUGH® Herbicide due to severe antagonism.

TANK MIX WITH ATRAZINE FOR CONTROL OF BROADLEAF WEEDS IN FIELD CORN

APPLICATION INFORMATION

For best results the RESOURCE plus atrazine tank mix should be applied to actively growing weeds.

Do not apply RESOURCE tank mixes during periods when corn and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: Broadcast application: RESOURCE plus Atrazine tank mix must be applied with 1 pt./A crop oil concentrate. Drop-nozzle application: RESOURCE plus Atrazine tank mix should be applied with 1 qt./A crop oil concentrate. RESOURCE plus Atrazine tank mix must be applied with 1 pt./A crop oil concentrate.

Table C2. RESOURCE Herbicide & Atrazine Tank Mix - Field Corn - Rates and Time of Application

Product	Product Rates	Weeds Controlled	Leaf Stage
RESOURCE plus Atrazine (90 DF) or (80 WP) or (4 L) or (5 L)	4 fl. oz./A plus 0.6 - 1.2 lbs./A or 0.7 - 1.4 lbs./A or 16 - 32 fl. oz./A or 13 - 26 fl. oz./A	Burcucumber Common Cocklebur Common Lambsquarters Common Ragweed Pigweeds Redroot Smooth Velvetleaf Refer to atrazine labels for additional weeds claimed.	2 to 4 (up to 6" runners) 2 to 4 2 to 3 up to 2 up to 3 up to 3 up to 6

Use Restrictions for RESOURCE Herbicide plus Atrazine Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the RESOURCE plus atrazine tank mix to corn before the 2-leaf stage or after the corn is greater than 12 inches in height.
3. Do not apply more than a total of 8 fl.

oz./A of RESOURCE to field corn during a single growing season.

4. Do not apply the RESOURCE plus atrazine tank mix if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.
5. Do not graze animals on green forage or use as feed less than 28 days after RESOURCE plus Atrazine application.
6. The recommended order of mixing is to thoroughly disperse the atrazine formulation in water, add RESOURCE and then add crop oil concentrate.

TANK MIX WITH ACCENT® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN FIELD CORN

APPLICATION INFORMATION

For best results the RESOURCE plus ACCENT tank mix should be applied to actively growing weeds.

Do not apply RESOURCE tank mixes during periods when corn and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: Broadcast application: RESOURCE plus ACCENT tank mix must be applied with 1 pt./A crop oil concentrate. Drop-nozzle application: RESOURCE plus ACCENT tank mix should be applied with 1 qt./A crop oil concentrate. RESOURCE plus ACCENT tank mix must be applied with 1 pt./A crop oil concentrate.

Table C3. RESOURCE Herbicide & ACCENT Herbicide Tank Mix - Field Corn - Rate and Time of Application

Product	Product Rate	Weeds Controlled	Leaf Stage
RESOURCE plus ACCENT (75 WD)	4 fl. oz./A plus 2/3 - 1 oz./A	Burcucumber Common Ragweed Jimsonweed Morningglory Ivyleaf Pitted Tall Pigweeds Redroot Smooth Pinky Sida Velvetleaf Refer to ACCENT label for additional weeds claimed.	up to 2 up to 2 up to 2 up to 2 up to 2 up to 2 up to 2 up to 3 up to 3 up to 2 up to 5

Use Restrictions for RESOURCE Herbicide plus ACCENT Herbicide Tank Mix:

1. Always read and follow all label

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directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.

2. Do not apply the RESOURCE plus ACCENT tank mix to corn before the 2-leaf stage or after the corn is taller than 24 inches.
3. Do not apply more than a total of 8 fl. oz./A of RESOURCE to field corn during a single growing season.
4. Do not apply the RESOURCE plus ACCENT tank mix if rain is expected within 4 hours of application; otherwise unsatisfactory weed control may result.
5. Do not graze animals on green forage or use as feed less than 30 days after RESOURCE plus ACCENT application.
6. The recommended order of mixing is to thoroughly disperse ACCENT in water, add the proper adjuvant, and then add RESOURCE.

TANK MIX WITH BANVEL® HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN FIELD CORN

APPLICATION INFORMATION

For best results the RESOURCE plus BANVEL tank mix should be applied to actively growing weeds.

Do not apply RESOURCE tank mixes during periods when corn and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE plus BANVEL tank mix should be applied **without** the addition of an adjuvant. Consult the BANVEL label and State Extension Service recommendations for situational use of an adjuvant in combination with BANVEL. ~~RESOURCE plus BANVEL tank mix must be applied without the addition of an adjuvant.~~

Table C4.
RESOURCE Herbicide & BANVEL Herbicide Tank Mix - Field Corn - Rate and Time of Application

Product	Product Rate	Weeds Controlled	Leaf Stage
RESOURCE plus BANVEL (4 L)	4 fl. oz./A plus 1/2 pt./A	Common Ragweed Smooth Pigweed Velvetleaf Refer to BANVEL label for additional weeds claimed.	up to 2 up to 3 up to 5

Use Restrictions for RESOURCE Herbicide plus BANVEL Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the RESOURCE plus BANVEL tank mix to corn before the 2-leaf stage, after the corn is greater than 36 inches in height, or after the 10-leaf stage of corn.
3. Do not apply more than a total of 8 fl. oz./A of RESOURCE to field corn during a single growing season.
4. Do not apply the RESOURCE plus BANVEL tank mix if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.
5. Do not graze animals on green forage or use as feed less than 28 days after RESOURCE plus BANVEL application.
6. The recommended order of mixing is to thoroughly disperse BANVEL Herbicide in water and then add RESOURCE.

TANK MIX WITH 2,4-D HERBICIDE FOR CONTROL OF BROADLEAF WEEDS IN FIELD CORN

APPLICATION INFORMATION

For best results the RESOURCE plus 2,4-D tank mix should be applied to actively growing weeds.

Do not apply RESOURCE tank mixes during periods when corn and weeds are under stress or when conditions do not favor active weed growth.

Adjuvant: RESOURCE plus 2,4-D L.V. Ester tank mix must be applied **without** the addition of an adjuvant. RESOURCE plus 2,4-D Amine tank mix must be applied with 0.25% v/v non-ionic surfactant.

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Table C5.
RESOURCE Herbicide & 2,4-D Herbicide Tank Mix - Field Corn - Rates and Time of Application

Product	Product Rates	Weeds Controlled	Leaf Stage
RESOURCE plus 2,4-D (L V Ester) or (Amine)	4 fl. oz./A plus 0.25 lb. ai/A or 0.25 - 0.5 lb. ai/A	Common Ragweed Smooth Pigweed Velvetleaf Refer to 2,4-D labels for additional weeds claimed.	up to 2 up to 3 up to 5

Use Restrictions for RESOURCE Herbicide plus 2,4-D Herbicide Tank Mix:

1. Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.
2. Do not apply the RESOURCE plus 2,4-D tank mix to corn before the 2-leaf stage or after the 10-leaf stage. The RESOURCE plus 2,4-D tank mix should be applied using drop-nozzles after the corn is greater than 8 inches tall. Refer to the 2,4-D label for specific instructions.
3. Do not apply more than a total of 8 fl. oz./A of RESOURCE to field corn during a single growing season.
4. Do not apply the RESOURCE plus 2,4-D tank mix if rain is expected within 1 hour of application; otherwise unsatisfactory weed control may result.
5. Do not graze animals on green forage or use as feed less than 28 days after RESOURCE plus 2,4-D application.
6. Delay cultivation for 8-10 days after application to prevent stalk breakage due to temporary brittleness caused by 2,4-D.
7. The recommended order of mixing is to thoroughly disperse the 2,4-D formulation in water, followed by the addition of RESOURCE, followed by a non-ionic surfactant. (Non-ionic surfactant should be added only if an amine formulation of 2,4-D is used.)

STORAGE AND DISPOSAL PROHIBITIONS

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

STORAGE

Store in a cool dry place.
Keep pesticide in original container.
Keep container closed when not in use.
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

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee, or representation, express or implied, concerning this product. Specifically: **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.**

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of this product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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