

## **PLEASE NOTE**

**This image contains more than one label approved for this product on this date.**

68156-6 1-13-2000

# Supplemental Labeling

ACCEPTED

JAN 13 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 68156-6

Dintec Agrichemicals

9330 Zionsville Road

Indianapolis, IN 46268 1054 USA

## Ipimethalin-L

EPA Reg. No. 68156-6

### Fall Application of Ipimethalin-L Followed by Early Post Applications of Pursuit (Areas North of Interstate 80 and in the Entire State of Iowa)

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L before applying. Carefully follow all precautionary statements and use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

#### Directions for Use

Ipimethalin-L herbicide may be surface applied or incorporated for soybean weed control in the fall and then followed by a postemergence program using Pursuit herbicide the following spring. Apply Ipimethalin-L between October 1 and December 31 at the following rates:

Refer to the label booklet for Ipimethalin-L for instructions for impregnation on dry bulk fertilizer.

Do not apply Pursuit through any type of irrigation system.

#### Broadcast Application Rates:

Soil Texture	Ipimethalin-L (pt/acre)
Coarse	2.4
Medium	3.0 to 3.6
Fine	3.6

For situations where incorporation is desired, consult the label booklet for Ipimethalin-L for incorporation instructions. Minimize furrow and ridge formation in the tillage operation. Consult the label for Pursuit for application instructions and precautions.

Glyphosate, 2, 4-D, Butyrac 200 (2,4-DB), or paraquat should be used to kill existing vegetation, if present before planting. Fall application of Ipimethalin-L is not recommended on fields that are poorly drained or are subject to periods of flooding.

Observe all precautions, limitations, and cropping restrictions on the respective product labels. Always follow the most restrictive label.

19A / Ipimethalin-L / Sec 3 Suppl - Soybeans Fall Applic N. of I-80 / 01-11-00

D06-024-XXX

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**NEXT**

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Indianapolis, IN 46268 1054 USA

## Ipimethalin-L

EPA Reg. No. 68156-6

### For Suppression of Lanceleaf Sage (Mintweed) in Cotton

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L before applying. Carefully follow all precautionary statements and use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

#### Directions for Use

Ipimethalin-L herbicide may be used to suppress (to aid in the control of or reduce competition from) lanceleaf sage (mintweed) in cotton.

**Note:** Existing living vegetation must be controlled at or before the application of Ipimethalin-L. This may be accomplished by applying a registered contact herbicide, or by using Ipimethalin-L or Ipimethalin-L tank mixtures with such a contact herbicide. Consult the label of the contact herbicide for applicable use directions, precautions, and restrictions.

Apply Ipimethalin-L or trifluralin herbicide preplant incorporated at labeled use rates. In order to suppress lanceleaf sage (mintweed; *Salvia reflexa*), follow standard PPI treatments with an application of Ipimethalin-L preemergence (split shot) at planting or up to 2 days after planting. Apply Ipimethalin-L preemergence at 1.8 pt/acre on coarse soils, or 2.4 pt/acre on medium and fine soils. Refer to the label for Ipimethalin-L for soil type classifications. Cotton seed must be covered with soil to prevent direct contact from the preemergence application of Ipimethalin-L or crop injury may occur. Do not apply more than 4.8 pt/acre of Ipimethalin-L per season.

Do not use planter seed covering mechanisms to incorporate preemergence application of Ipimethalin-L. Excessive, or deep cultivation can reduce mintweed control by moving untreated soil into the rows. Rainfall or irrigation is required with 7 days of application for maximum herbicidal activity on mintweed. If application is delayed and rainfall is received before preemergence application is made, reduced activity may result on the first germinating flush of mintweed from seed. Ipimethalin-L will not control established mintweed.

Ipimethalin-L may be applied in combination with other registered herbicides. Consult the label for Ipimethalin-L for tank mix directions. All applicable directions, restrictions, and precautions on the EPA registered label(s) must be followed. Refer to the label booklet for Ipimethalin-L for specific directions regarding mixing, spraying, and liquid fertilizer compatibility determinations.

Do not apply more than 4.8 pt/acre of Ipimethalin-L per season.

19A / Ipimethalin-L / Sec 3 Suppl - Mintweed in Cotton / 01-11-00

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Under the Federal Insecticide,  
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Dintec Agrichemicals

9030 Zionsville Road

Indianapolis, IN 46268-1054 USA

## Ipimethalin-L

EPA Reg. No. 68156-6

### Preplant Surface Applications in Soybeans Grown North of Interstate 80 (Ipimethalin-L Alone or in Tank Mix Combination)

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L before applying. Carefully follow all precautionary statements and use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

#### Directions for Use

##### General Information

Use the following instructions when applying the recommended preplant soil surface applications of Ipimethalin-L herbicide alone or in labeled tank mixtures in soybeans grown north of Interstate Highway 80 (I-80).

Ipimethalin-L herbicide controls labeled annual grasses and certain broadleaf weeds as they germinate, but it will not control established weeds. Destroy existing weeds before applying Ipimethalin-L (except as recommended in specific postemergence combination treatments). Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend germination over a long period of time can reduce weed control.

Observe all use directions given in the Ipimethalin-L and tank mix partner label sections on precautions, general information, mixing and application instructions, uses with other products, weeds controlled, rotational crop restrictions and disclaimers. Always follow the most restrictive instructions and disclaimers. Always follow the most restrictive instructions on any product label.

**Chemigation:** Ipimethalin-L may be applied through sprinkler irrigation systems in soybeans. Refer to the labels for Ipimethalin-L and tank mix partners for use directions for chemigation. Do not apply tank mixture through any type of irrigation system unless the label instructions on chemigation of all products are followed:

Ipimethalin-L is not recommended for use on peat or muck soils.

Do not use in California.

##### Preplant Surface Application General Instructions for North of I-80

A preplant surface application of Ipimethalin-L may be applied up to 45 days before planting. Do not apply Ipimethalin-L at or after planting north of I-80, except as specified in other labeling. Do not apply postemergence to soybeans.

Apply to a seedbed that is firm and free of clods. Ipimethalin-L may be applied in conventional, minimum and no-tillage systems. Ensure good seed coverage by soil. Observe all other instructions in the label booklet for Ipimethalin-L in the section on tank mixtures with Ipimethalin-L in minimum and no-till systems.

Preplant surface treatments are most effective in controlling weeds when adequate rainfall or overhead irrigation is received within 7 days after application. If moisture is insufficient to activate the herbicides, a shallow cultivation (preferably with a rotary hoe) should be made after emergence of soybeans, but while weeds are small enough to be controlled by mechanical cultivation, otherwise a postemergence herbicide treatment may be required.

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Do not overlap spray by aerial or ground equipment. Always check tank-mix compatibility with tank mix partners prior to filling spray tank.

### Application Rates and Instructions

Refer to the label booklet for Ipimethalin-L for broadcast application rates for use up to 45 days before planting, according to the "Preplant Incorporated or Preemergence Tank Mix" table, soil texture, organic matter content and specific tank mixture.

### Broadcast Application Rates: Preplant Surface Application in Soybeans

Soil Texture	Ipimethalin-L (pt/acre)	
	<3% Organic Matter	>3 % Organic Matter
Coarse	1.2 to 1.8	2.4
Medium	1.8 to 3.0	3.0 to 3.6
Fine	2.4 to 3.6	3.6

For heavy clay soils, apply Pendimax 3.3 at the broadcast application rate of 3.6 pints per acre.

The high rates for each soil texture above should be used if heavy weed populations are anticipated, extensive crop residues were present prior to seedbed preparation, or in no-till systems.

### Tank Mixtures and Sequential Applications

Ipimethalin-L may be preplant surface applied north of I-80 in tank mixture with the following herbicide products: 2,4-D, 2,4-DB (Butyrac brand 200), glyphosate, Gramoxone Extra, Scepter, Scepter 70DG, Pursuit, Pursuit DG, Sensor/Lexone, Lorox, Lasso, Dual, Canopy, and Preview. Refer to the label booklet for Ipimethalin-L and tank-mix partner labels for all other use directions, restrictions and additional weeds controlled for these mixtures.

Ipimethalin-L may be preplant surface applied north of I-80 in sequential application followed by a postemergence product. Refer to the label for Ipimethalin-L leaflet and sequential product label for all other use directions, restrictions and additional weeds controlled.

Surface application of Ipimethalin-L alone made up to 45 days before planting should be followed by a **postemergence** program such as Pursuit or Pursuit DG herbicide. Consult the label for Pursuit for application instructions and precautions. Refer to the label booklet for Ipimethalin-L for other use directions.

19A / Ipimethalin-L / Sec 3 Suppl - PPSA on Soybeans N. of I-80 / 01-11-00

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Dintec Agrichemicals

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

## Ipimethalin-L

EPA Reg. No. 68156-6

### Tank Mix with Pursuit Herbicide for Use in Pursuit Resistant/Tolerant Field Corn (Apply Only On Pursuit Resistant/Tolerant Field Corn Hybrids)

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L before applying. Carefully follow all precautionary statements and use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

#### Directions for Use

Ipimethalin-L herbicide may be applied in tank mix combination with Pursuit herbicide in **Pursuit resistant/tolerant field corn hybrids**. This supplemental label can be used in conventional, minimum tillage, and no tillage systems. For Ipimethalin-L plus Pursuit tank mix applications, follow the instructions in the Ipimethalin-L label booklet section on Field Corn Grown in Minimum Tillage Systems, or the supplemental label for Ipimethalin-L for use in no-tillage systems. This label must be used in conjunction with Pursuit labeling for use in resistant/tolerant field corn hybrids.

Apply Pursuit only on selected field corn hybrids warranted by the seed company to possess resistance/tolerance to direct application of Pursuit (for example: Pioneer IR varieties). **Do not apply Pursuit to corn hybrids that lack genetic resistance/tolerance to Pursuit herbicide.** Contact your chemical dealer, seed supplier or American Cyanamid to obtain information regarding Pursuit resistant/tolerant field corn hybrids.

Carefully read applicable sections of the labels for Ipimethalin-L and Pursuit prior to using. Observe all use directions given in the labels Ipimethalin-L and Pursuit labels on precautions, general information, mixing and application instructions, uses with other products, weeds controlled and rotational crop restrictions. Additional instructions are given below. Always follow the most restrictive instructions on both product labels.

**Do not apply Ipimethalin-L plus Pursuit tank mix through any type of irrigation system.** In sequential application, Ipimethalin-L alone can be applied via chemigation. See the label booklet for Ipimethalin-L for chemigation instructions. Apply Pursuit using ground equipment only.

**Do not use in California.**

#### Mixing and Application Rates

Refer to the label booklets for Ipimethalin-L and Pursuit for mixing instructions.

Refer to the Pursuit labels for Additive and Mixing Instructions for Postemergence Applications. **Postemergence applications of Pursuit require the addition of a non-ionic surfactant and a liquid fertilizer solution** (except in states indicated by a footnote on the label for Pursuit). **Do not use crop oil concentrate with the Ipimethalin-L plus Pursuit tank mixture applied postemergence.**

Apply Pursuit at a broadcast rate of 4 ounces per acre (1/4 pint) for all methods of application.

Apply Ipimethalin-L sequentially or in tank mixture with Pursuit as follows:

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**Broadcast Application Rates for Preemergence and Early Postemergence in Corn**

Soil Texture	Ipimethalin-L Less than 1.5% Organic Matter (pt/acre)	Ipimethalin-L 1.5 to 3.0% Organic Matter (pt/acre)	Ipimethalin-L More than 3.0% Organic Matter (pt/acre)
Coarse	1.8 to 2.4	3.6	3.6
Medium	2.4 to 3.6	3.6	3.6 to 4.8
Fine	2.4 to 3.6	3.6 to 4.8	4.8

**Notes:** Use the higher rate of Ipimethalin-L if heavy weed populations are anticipated, or if shattercane or hard-to-control weed species will be present, or if extensive crop residues were present following seedbed preparation, or if soil organic matter falls in high end of range. Refer to the label for Ipimethalin-L section on Soil Textures for soil type classifications. **Do not** use Ipimethalin-L on peat or muck soils.

**Application Instructions**

**Do not** apply Ipimethalin-L plus Pursuit tank mix under extended cold (below 50 degrees F) and wet weather conditions, or when cold, wet conditions are predicted.

**Do not** incorporate 3.3 or serious corn injury can result.

One application per growing season of one of the following Ipimethalin-L plus Pursuit herbicide treatments may be applied in Pursuit resistant/tolerant field corn hybrids. See the Pursuit label for weed height limitations for Pursuit postemergence applications.

1. **Preemergence** tank mixture (surface treatment after planting) of Ipimethalin-L plus Pursuit. Apply after planting, but before weeds or corn emerge. **Do not** incorporate.
2. **Early postemergence** tank mixture of Ipimethalin-L plus Pursuit. Apply when the corn and weeds are actively growing. Tank mix applications can be made to corn up to the 5-leaf stage and before weeds exceed a height of 3 inches, unless otherwise indicated on the Pursuit label. **Do not** incorporate.
3. Sequential applications of Pursuit **preplant** followed by Ipimethalin-L **preemergence** (surface treatment after planting). Apply Pursuit alone as an early preplant or preplant incorporated treatment. Then apply Ipimethalin-L alone after planting, but before weeds or corn emerge. **Do not** incorporate Ipimethalin-L.
4. Sequential applications of Ipimethalin-L **preemergence** (surface treatment after planting) followed by Pursuit **postemergence**. Apply Ipimethalin-L after planting, but before weeds or corn emerge. **Do not** incorporate Ipimethalin-L. Then apply Pursuit before the corn exceeds the 8-leaf stage and before weeds exceed a height of 3 inches, unless otherwise indicated on the Pursuit label.

**Precautions**

Observe all precautions on the labels for Ipimethalin-L and Pursuit, including replanting in the event of crop loss due to weather, use of soil insecticide, use of imidazolinone tolerant hybrids from other seed companies, harvest and grazing intervals, and rotational crop restrictions. If other herbicides are mixed with the Ipimethalin-L plus Pursuit tank mixture, the label restrictions for these herbicide tank mixtures must also be followed. Always follow the most restrictive instructions on any product label.

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# Supplemental Labeling

Dintec Agrichemicals 9330 Zionsville Road Indianapolis, IN 46268-1054 USA

## Ipimethalin-L

EPA Reg. No. 68156-6

For Distribution and Use in the State of Florida

### Weed Control in Plant or Ratoon Sugarcane Grown on Muck Soils in Florida

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L before applying. Carefully follow all precautionary statements and use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

#### Directions for Use

Ipimethalin-L herbicide may be applied twice per season, preemergence through layby, in plant or ratoon (stubble) sugarcane. Applications may be band or broadcast. Although there may be adequate crop tolerance for postemergence applications at layby, the spray must be directed under the sugarcane canopy in order to obtain effective weed control.

Ipimethalin-L herbicide controls most annual grasses and certain broadleaf weeds as they germinate, but will not control established weeds. Ipimethalin-L should be applied to rows free as possible of weeds and trash.

Do not apply within 90 days of harvest.

Do not apply more than 14.4 pints per acre of Ipimethalin-L during one growing season.

Refer to the label booklet for Ipimethalin-L for complete mixing instructions.

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

#### Broadcast Application Rates

Apply at the rate of 4.8 to 7.2 pt/acre, but do not exceed 14.4 pt/acre per acre in one growing season. Use the 7.2 pt/acre rate if heavy weed populations are anticipated. See "Spraying Instructions" for calculation of hand treatment rate.

#### Spraying Instructions

##### Ground Broadcast Application

Apply Ipimethalin-L in 10 or more gallons of water or in 20 or more gallons of liquid fertilizer per acre. Refer to the label booklet for Ipimethalin-L for liquid fertilizer compatibility determinations. Use a properly calibrated low-pressure (20 to 40 psi) sprayer equipped with appropriate spray nozzles to achieve uniform spray distribution and minimize drift. Keep the by-pass line on or near the bottom of the tank to minimize foaming. Nozzle screens must be no finer than 50 mesh.

**Band Application:** Apply the broadcast equivalent rate and volume per acre. To determine these:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast RATE per acre} = \text{Band RATE per acre}$$

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$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast VOLUME per acre} = \text{Band VOLUME per acre}$$

### Aerial Broadcast Application

Uniformly apply in 5 or more gallons of water per acre. To minimize drift, do not apply during periods of gusty winds or when wind conditions favor drifting. It is recommended that a flagman or an automatic mechanical flagging unit on the aircraft be used to avoid overlapping and possible crop injury. Do not make aerial applications at layby because complete and uniform coverage cannot be obtained.

### Incorporation Directions

Ipimethalin-L MUST be thoroughly and uniformly incorporated into the soil with either (a) rainfall or irrigation, if rainfall or irrigation is adequate for good crop and weed emergence and received within 7 days after application, or (b) mechanical incorporation equipment as outlined below.

**Mechanical Incorporation:** Ipimethalin-L should be incorporated into the top 1 to 2 inches of soil within 7 days after application. Carefully adjust equipment to incorporate without causing excessive damage to emerging shoots. Mechanical incorporation can be achieved by the following:

- Rolling cultivator (Lilliston type – Lely Roterra) set to cut 2 or 3 inches deep and operated at 6 to 8 mph. This technique may be used with all application timings.
- Rolling disc cultivator (Hipper) set to cut 2 to 3 inches deep and operated at 6 to 8 mph. This technique may be used to incorporate between sugarcane lines (rows) at layby only.

### Weeds Controlled

When applied as directed, Ipimethalin-L will control the following grass weeds:

Common Name	Scientific Name
Barnyardgrass	Echinochloa crus-galli
Browntop panicum	Panicum fasciculatum
Crabgrass	Digitaria spp.
Fall panicum	Panicum dichotomiflorum
Foxtail (giant)	Setaria faberi
Foxtail (green)	Setaria viridis
Foxtail (yellow)	Setaria glauca
Goosegrass	Eleusine indica
Johnsongrass (from seed)	Sorghum halepense
Junglerice	Echinochloa colona
Signalgrass	Brachiaria texanum
Texas Panicum	Panicum capillare

Ipimethalin-L will reduce the competition of certain broadleaf weeds including carpetweed, Henbit, parsley, lambsquarters, pigweed, purslane and annual spurge.

For additional broadleaf weed control, use Ipimethalin-L in combination with any registered herbicide. Always check tank-mix compatibility with tank mix partners prior to filling spray tank. Consult labels of tank mix partners for correct use rates and label restrictions.

**NOTE:** Do not graze treated fields or feed treated forage or fodder to livestock.

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