

PM 25

7969-108

6-23-98

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United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input checked="" type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number  
266517

Application for Pesticide - Section I

Company/Product Number 7969-108	2. EPA Product Manager JAMES Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
Company/Product (Name) PYRAMIN SC HERBICIDE	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) BASF CORPORATION AGRICULTURAL PRODUCTS P.O. BOX 13528 RESEARCH TRIANGLE PARK, NC 27709-3528 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b> JUN 23 1998
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
NOTIFICATION FOR MINOR LABEL CHANGES FOR 1999 PACKAGING.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
		If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5 gal		5. Location of Label Directions <input type="checkbox"/> _____ on Label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Darcy Geiger-Jackson	Title Registration Specialist	Telephone No. (Include Area Code) 919-547-2840
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped)
2. Signature Darcy Geiger-Jackson	3. Title Registration Specialist	
4. Typed Name Darcy Geiger-Jackson	5. Date June 10, 1998	

**BASF**

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**NOTIFICATION**

**JUN 23 1998**

# Pyramin<sup>®</sup> SC

herbicide

**For weed control in sugar beets and red table beets**

<b>Active ingredients*</b> .....	44.36%
Pyrazon (5-amino-4-chloro-2-phenyl-3(2H)-pyridazinone) .....	42.60%
Related aminochloro and dichlorophenyl pyridazinones .....	1.76%
<b>Inert ingredients</b> .....	55.64%
<b>Total</b> .....	100.00%

\*Equivalent to 4.51 pounds of pyrazon and related aminochloro and dichlorophenyl pyridazinones per gallon. Pyrazon ANSI equals chloridazon BSI *et al.*

**EPA Registration Number 7969-108**

**KEEP OUT OF REACH OF CHILDREN.**

## **CAUTION**

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

See inside booklet for complete **Precautionary Statements, Statements of Practical Treatment, Directions For Use, and Conditions of Sale and Warranty.**

**Made in Germany**

**Net contents: 2.5 gallons (9.46 liters)**

BASF Corporation  
P.O. Box 13528, Research Triangle Park, NC 27709

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing. May cause eye irritation. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

#### Statement of Practical Treatment

**If in eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

#### Personal Protective Equipment (PPE)

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

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

#### Engineering Controls Statement

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

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not contaminate water used for irrigation or domestic purposes.

#### Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, 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**.

**Exception:** If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter treated areas if there will be no contact with anything that has been treated.

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
- Chemical-resistant gloves such as barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

#### Storage and Disposal

Do not store near fertilizers, seeds, insecticides, or fungicides. Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Do not store below 40° F. Store in a dry place away from heat or open flame.

**Pesticide Disposal:** Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### Container Disposal:

• **Plastic Containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of 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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### In Case of Emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300  
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

### Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

## I. General Information

Among the weeds controlled by **Pyramin® SC herbicide** are lambsquarters, pigweed, ragweed, shepherdspurse, fanweed, purslane, nightshade (black and hairy), mustard, henbit, smartweed, nettleleaf goosefoot, and velvetleaf (Michigan and Ohio only). **Pyramin SC** will not provide acceptable control of annual grasses. Where grasses are a serious problem, follow the directions for specific tank mixes or use a subsequent postemergent herbicide treatment.

### Crop Tolerance

All listed crops are tolerant to **Pyramin SC** at all stages of growth. Leaf sockling may occur, but plants generally outgrow this condition within 10 days. New growth is normal and crop vigor is not reduced.

### Cleaning Spray Equipment

Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product.

## II. Application Instructions

The correct application method for **Pyramin SC** varies depending on area and cultural practices. Always follow the label recommendations that fit your area and cultural system. **Pyramin SC** can be applied pre-emergence or postemergence by broadcast or band treatments. For postemergence applications, the most effective control will result from applying **Pyramin SC** to actively growing weeds early, when weeds are small. Treat after beets have 2 expanded true leaves (do not count cotyledon leaves) and before any weeds have more than 2-4 true leaves. Delaying application permits weeds to exceed the maximum size stated and will prevent adequate control. Apply 5.5-6.5 pints of **Pyramin SC** per acre according to soil type and organic matter content. Apply postemergence only if conditions are favorable for crop and weed growth. When used postemergence to the crop, **Pyramin SC** can extend pre-emergence weed control. Refer to section VII. **Crop-Specific Information** for more details.

### Irrigation

**Pyramin SC** requires moisture to control weeds effectively. In addition, it may be necessary to irrigate before treatment to ensure active weed growth. For optimum performance, a postemergence application should be followed with moisture. Where furrow irrigation is possible, irrigate shortly after application to the point that the bed surface has reached maximum water-holding capacity. If sprinkler irrigation is used, do not apply more than 0.75 inch of water on the first irrigation set after herbicide application.

### Coverage

Weeds must be thoroughly covered with spray because dense leaf canopies shelter smaller weeds and can prevent adequate spray coverage.

### Ground Application (Banding)

**Application Equipment:** Using planter-mounted band sprayers ensures that all planted beets are treated, that the band is centered over the row, and that the band width and rate of chemical are uniform. When spraying a band over the row, the amount of **Pyramin SC** applied per banded acre is reduced in proportion to the area actually treated.

**Example:** To spray a 7-inch band over beets in rows 28 inches apart, the amount recommended for broadcast application follows:

$$5.5 \text{ pints/acre} \times \frac{1}{4} \text{ of area banded} = 1.38 \text{ pints/banded acre.}$$

Table 1. Banded Application Rates

Band and Row Width	Pyramin® SC Rate Per Banded Acre Based on Broadcast Rate Per Acre of:	
	5.5 Pints	6.5 Pints
6-inch band on 24-inch rows	1.38 pints	1.62 pints
7-inch band on 22-inch rows	1.64 pints	2.06 pints
7-inch band on 28-inch rows	1.38 pints	1.62 pints
10-inch band on 22-inch rows	2.5 pints	2.96 pints
10-inch band on 28-inch rows	2 pints	2.32 pints
10-inch band on 30-inch rows	1.84 pints	2.16 pints
12-inch band on 24-inch rows	2.76 pints	3.26 pints
30-inch band on double rows on 30 inch beds with beds on 40-inch centers — California only.	4.12 pints	4.58 pints

### Ground Application (Broadcast)

**Water Volume:** Use 20-40 gallons of spray solution per broadcast acre for optimal performance or proportionately less for band applications.

**Spray Pressure:** Use 30-60 psi (measured at the boom, not at the pump or in the line).

**Application Equipment:** Use standard high-pressure pesticide flat fan or hollow cone nozzles spaced up to 20 inches apart.

### III. Additives

To achieve consistent weed control, a nonphytotoxic emulsifiable oil concentrate may be added to improve broadleaf weed control and allow greater timing flexibility for successful applications relative to size of weeds. The standard label recommendation is 2 pints of an 80% active nonionic spray surfactant per 100 gallons of water. See **Table 2. Additive Rate Per Acre** for additive rates.

#### Oil Concentrate

A nonphytotoxic oil concentrate (commonly referred to as crop oil concentrate) can be added to the spray tank. The oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

For additional information, see **Compatibility Test for Mix Components**.

Adding an oil concentrate may cause some leaf burn, but new growth is normal and crop vigor is not reduced. The potential for leaf burn is increased when relative humidity and temperature are high. Some oil concentrates cause excessive leaf burn so refer to your supplier for information concerning successful local experience before purchasing any oil concentrate. For specific directions for using an oil concentrate with **Pyramin® SC herbicide** in your locality, and for recommended brands of oil to use, consult your local sugar company field representative or BASF representative.

Table 2. Additive Rate Per Acre

Additive	Ground Application
Oil Concentrate	2 pints

### Compatibility Test for Mix Components

Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

- 1) **Water:** — For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
- 2) **Water-dispersible products:** — (such as **Pyramin SC**, dry flowables, wettable powders, suspension concentrates, or suspo-emulsions) Cap the jar and invert 10 cycles.
- 4) **Water-soluble products:** — (when applicable) Cap the jar and invert 10 cycles.
- 5) **Emulsifiable concentrates:** — (oil concentrate when applicable) Cap the jar and invert 10 cycles.
- 7) Let the solution stand for 15 minutes.
- 8) **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. Do not use any spray solution that could clog spray nozzles.

### IV. Mixing Order

- 1) **Water:** Begin by agitating a thoroughly clean sprayer tank half full of clean water.
- 2) **Water-dispersible products:** (such as **Pyramin SC**, dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
- 3) **Water-soluble products** (when applicable)
- 4) **Emulsifiable concentrates** (oil concentrate when applicable)
- 5) Remaining quantity water

Maintain constant agitation during application. For more information, refer to section **V. General Tank Mixing Information**.

### V. General Tank Mixing Information

See section **VII. Crop-Specific Information** for more details. Read and follow the applicable **Restrictions and Limitations** and **Directions For Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

#### Tank Mix Partners/Components

The following herbicides may be tank mixed with **Pyramin SC** according to the specific tank mixing instructions in this label and respective product labels.

- **Betamix\***
- **Betanex\***
- **Nortron® SC**

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Pyramin SC** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. BASF does not recommend using tank mixes other than those listed on BASF labeling. Local agricultural authorities may be a source of information when using other than BASF recommended tank mixes.

\* **Pyramin SC** tank mixes with **Betamix** or **Betanex** are not for use in California.

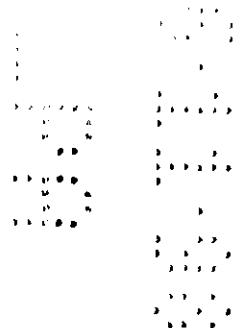
### VI. General Restrictions and Limitations - All Crops

- **Maximum seasonal use rate:** Refer to **Table 3** for crop-specific seasonal use rates.
- **Preharvest Interval (PHI):** 0 days
- **Restricted Entry Interval (REI):** **12 hours.**
- Do **not** plant other crops in the band treated with **Pyramin® SC herbicide** during the same season if the beet crop is lost due to climatic or soil conditions. If fields are replanted with sugar beets, reseed into the treated band. Do not use **Pyramin SC** again as a pre-emergence treatment on replanted beets because crop injury may result.
- **Stress:** Do not apply to grasses or crops under stress such as stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, or widely fluctuating temperatures, as unsatisfactory control may result.
- Do **not** apply to crops that show **injury** (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced or prolonged.
- Do **not** use **Pyramin SC** as a pre-emergence treatment on muck and peat.
- Do **not** use **Pyramin SC** as a broadcast treatment in dry irrigated regions including California.
- Do **not** make **spot treatments** in addition to broadcast or band treatments.
- This **product** cannot be used to **formulate** or reformulate any other pesticide product.
- **Rainfast period:** **Pyramin SC** is rainfast **6 hours** after application.
- Do **not** apply through any type of **irrigation** equipment.
- Do **not** use the same spray equipment for other purposes unless thoroughly cleaned. Do not contaminate water when disposing of equipment wastewaters.
- Do **not** use this product on **soils** classified as sands or loamy sands because this may result in crop injury.
- Do **not** use on **soils** with organic matter concentrations higher than 5%, except in the Red River Valley (see special section) or less than 2.5% in Michigan and Ohio for velvetleaf control (see special section) as unsatisfactory weed control or crop injury may result.
- Do **not** mix or apply **Pyramin SC** with any other pesticide or with any fertilizer except as specifically recommended on this label or approved supplemental labeling.
- Do **not** use oil when maximum temperatures are expected to exceed 90° F within 5 days of applying as excessive crop injury may result.

**Table 3. Crop-Specific Restrictions and Limitations**

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Livestock Grazing or Feeding
Red Table Beets	<u>0 days</u>	13 pints*	13 pints	n/a
Sugar Beets	<u>0 days</u>	13.5 pints*	13.5 pints	n/a

\* Do not exceed maximum seasonal use rate.



## VII. Crop-Specific Information

### Red Table Beets

#### Application Information

**Pyramin SC** may be used both pre-emergence and postemergence in the same season provided the combined rates do not exceed 6.5 quarts per acre.

#### PRE-EMERGENCE APPLICATION

Apply 5.5-6.5 pints of **Pyramin® SC herbicide** per acre after beet seeds are planted but before beets and weeds emerge. Use the lower rate on sandy loam soils. If rain does not fall within 10 days after treatment, irrigate beets to activate **Pyramin SC**. If irrigation is not possible, use a shallow cultivation before weeds are 2" tall.

#### EARLY POSTEMERGENCE APPLICATION

Apply 6.5 pints of **Pyramin SC** for early postemergence application. Apply **Pyramin SC** after beets have 2 expanded true leaves and before any weeds have more than 4 true leaves, usually within 2 weeks after planting.

### Sugar Beets

#### Application Information

Refer to section IV. **Application Instructions**.

#### (All States)

Apply and incorporate **Pyramin SC** at up to 5.5 pints per acre on low organic matter (less than 3%) and sandy loam soils unless otherwise instructed. Apply 6.5 pints of **Pyramin SC** per acre on loams, silt loams, and clays unless otherwise instructed.

#### PREPLANT INCORPORATED AND PRE-EMERGENCE APPLICATIONS

##### • Central and Eastern States (MI, MN, ND, and OH)

**Pre-emergence Use Without Irrigation:** Spray immediately after beet seeds are planted and before beets and weeds emerge. Where dry weather follows application and weeds emerge, use a shallow cultivation before weeds are 2" tall. Otherwise, do not disturb or cover the treated band.

##### • Minnesota and North Dakota

**Special Instructions For Soils With Organic Matter of 5-7%:** Apply 13.5 pints of **Pyramin SC** per acre as a single pre-emergence application to control common lambsquarters, prostrate pigweed, redroot pigweed, and wild mustard in Red River Valley soils containing 5-7% organic matter.

Do not follow with a postemergence treatment of **Pyramin SC**.

Do not use the 13.5 pints rate on soils with organic matter higher than 7% or less than 5% because this may result in unsatisfactory weed control or crop injury, respectively. Where dry weather follows application, refer to **Pre-emergence Use Without Irrigation**.

##### • Michigan and Ohio

#### Special Instructions For Pre-emergence Velvetleaf Control

For pre-emergence velvetleaf control, apply 10.66 pints of **Pyramin SC** per acre as a single pre-emergence application. Spray immediately after beet seeds are planted and before beets and weeds emerge.

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Do not use the 10.66 pints rate on soils with 2.5-5% organic matter as this may cause unsatisfactory weed control or crop injury.

If dry weather follows application, refer to **Irrigation** in section II. **Application Instructions**.

#### • Plains, Mountain, and Western States (CA, CO, ID, KS, MT, NE, OR, TX, UT, WA, and WY) Fall-planted Sugar Beets (California Only)

To reduce the potential for sugar beet injury or stand reduction, irrigate before planting and do not apply **Pyramin SC** until temperatures in the fall average below 90° F. Replanting may be necessary if this treatment is not applied under these conditions.

#### Pre-emergence Use With Sprinkler Irrigation

Prepare the seedbed and pre-irrigate to field capacity of soil. Plant seed 0.75-1" deep. Apply **Pyramin SC** as a pre-emergence banded surface application. Do not incorporate **Pyramin SC** where sprinkler irrigation is used, as crop injury may result. Do not use broadcast treatments.

Apply **Pyramin SC** within 3 days after planting. Follow the directions for banded treatments and adjust application rates accordingly (see **Table 1. Banded Application Rates**).

Follow with no more than 0.75" of sprinkler water per irrigation set before beets and weeds emerge, as greater amounts may cause beet injury. Repeat irrigation as needed to get good beet emergence; however, do not exceed 0.75" of sprinkler water per irrigation set until beets have 2 true leaves. Do not count cotyledonary leaves (the first two leaves to appear).

#### Preplant Incorporation with Furrow Irrigation

On fields that will receive furrow irrigation, prepare the seedbed or form beds for planting. Follow the directions for banded treatments and adjust application rates accordingly (see **Table 1. Banded Application Rates**).

Incorporate **Pyramin SC** no more than 2" deep using a rotary type tiller. Plant beets and furrow irrigate (see **Irrigation**). Irrigate until tops of beds are thoroughly wetted.

Repeat furrow irrigation as often as necessary to ensure good beet emergence and growth. Sprinkler irrigation can be substituted for furrow irrigation after beets have developed 2 true leaves. Do not count cotyledonary leaves.

To ensure planting into treated bands, do the following in one tractor operation:

- (1) spray **Pyramin SC**
- (2) incorporate
- (3) plant beets

Treat a band 1-2" wider than the tiller head used. Do not incorporate **Pyramin SC** with a disk as unsatisfactory weed control and sugar beet injury may result.

Increased temporary sugar beet injury has been observed when postemergence treatments of **Pyramin SC** has followed preplant applications of **Tillam®** or **Ro-Neet®** herbicides. Refer to IV. **Mixing Order** and V. **General Tank Mixing Information** for more information.

## Sugar Beet Tank Mixes

### Pyramin SC + Betamix or Betanex

(Not for use in California)

This tank mix provides residual as well as quick postemergence broad spectrum weed control of pigweed, kochia, wild buckwheat, lambsquarters, smartweed, mustard, nightshade (black and hairy), ragweed, and green and yellow foxtails.

Do not add additional surfactants to the tank mix. Do not apply in more than 30 gallons of water per acre.

### Pyramin SC + Nortron SC

Use this tank mix under conditions where **Nortron® SC herbicide** is recommended. Before using, read the label for **Nortron SC** for additional information and precautions.

#### Winter-grown Sugar Beets in California

Use this tank mix in fields where wild oats and volunteer cereals are expected to be a problem. Under sprinkler irrigation or where natural rainfall is adequate, apply this tank mix pre-emergence. Refer to **Tables 4 and 5** for application rates and other information. See **Pre-emergence Use With**

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**Sprinkler Irrigation** for directions and precautions regarding application of sprinkler irrigation. Where furrow irrigation is to be used, apply this tank mix preplant incorporated. See **Irrigation** in section II, **Application Instructions** for directions and precautions regarding application.

#### Sugar Beets in Idaho and Montana

Refer to **Table 5** for recommended rates. Use this tank mix only under all the following conditions:

- The sugar beets are sprinkler irrigated.
- The tank mix is applied to silt loam or finer textured soils (use higher rates in finer textured soils).
- The tank mix is applied pre-emergence.
- The products are incorporated by applying 0.5" of water within 7 days after application.
- The tank mix is followed with suitable postemergence chemicals to control later germinating weeds as needed.
- Minimal crop injury can be tolerated.

**Table 4. Tank Mix Application Rates of Pyramin® SC herbicide + Nortron SC (California Only)**

Soil Texture	Pyramin SC Rate Per Acre		Nortron SC <sup>1</sup> Rate Per Acre	
	Broadcast (for calibration purposes only)	10" Band Width <sup>2</sup> 30" row	Broadcast (for calibration purposes only)	10" Band Width <sup>2</sup> 30" row
<b>Coarse Textured Soils:</b> Sands, loamy sands, and sandy loams	Not Recommended			
<b>Medium Textured Soils:</b> Loams, silt loams, clay loams that contain less than 3% organic matter	5.5 pints	1.84 pints	3.0 pints	1.0 pint
<b>Fine Textured Soils:</b> Clay loams that contain more than 3% organic matter and clays	5.5 pints	1.84 pints	3.75 pints	1.25 pints

<sup>1</sup> **Nortron SC** (4.0 pounds of active ingredient per gallon).  
<sup>2</sup> For other band or row widths, adjust rates in proportion to the area actually treated. Do not apply this mix broadcast.

**Table 5. Tank Mix Application Rates of Pyramin® SC + Nortron® SC (Idaho and Montana only)**

Soil Texture	Pyramin SC Rate Per Acre		Nortron SC <sup>1</sup> Rate Per Acre	
	Broadcast (for calibration purposes only)	7" Band Width <sup>2</sup> 22" row	Broadcast (for calibration purposes only)	7" Band Width <sup>2</sup> 22" row
<b>Coarse Textured Soils:</b> Sands, loamy sands, and sandy loams	Not Recommended			
<b>Medium Textured Soils:</b> Loams, silt loams, clay loams that contain less than 3% organic matter	2.8-5 pints	0.55-0.9 pint	1.5-3.0 pints	0.5-1.0 pint
When kochia, Russian thistle, or grasses are problem weeds, follow these rates:	2-3.2 pints	0.64-1 pint	3.0-4.5 pints	1.0-1.5 pints

<sup>1</sup> **Nortron SC** (4.0 pounds of active ingredient per gallon).  
<sup>2</sup> For other band or row widths, adjust rates in proportion to the area actually treated. Do not apply this mix broadcast.



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**Crops:**

This product can be used on the following crops:

**Red Table Beets  
Sugar Beets**

Look inside for complete **Restrictions and Limitations** and **Application Instructions**.

**Weeds listed in this label:**

Common Name	Scientific Name
Fanweed	<i>Thlaspi arvense</i>
Goosefoot, Nettleleaf	<i>Chenopodium murale</i>
Henbit	<i>Lamium amplexicaule</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Nightshade (black and hairy)	<i>Solanum spp</i>
Pigweed	<i>Amaranthus spp.</i>
Purslane, Common	<i>Portulaca oleraceae</i>
Ragweed	<i>Ambrosia spp.</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Thistle, Russian	<i>Salsola iberica</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Wild Mustard	<i>Sinapsis arvensis</i>

**Conditions of Sale and Warranty**

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