



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 7, 2022

Christina M. Swick
Agent for Finchimica S.P.A.
Finchimica S.P.A.
Via Lazio, 13
25025 Manerbio (BS), Italy

Subject: Registration Review Label Mitigation for Trifluralin
Product Name: FINCHIMICA TRIFLURALIN GR-10
EPA Registration Number: 53591-2
Application Date: 3/30/2020
Decision Number: 561191

Dear Christina Swick:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Trifluralin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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If you have any questions about this letter, please contact Quinn Gavin by phone at 202-566-2284, or via email at gavin.quinn@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to be "Linda Arrington", written in a cursive style.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

(Base label):

TRIFLURALIN	GROUP	3	HERBICIDE
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Finchimica Trifluralin GR-10

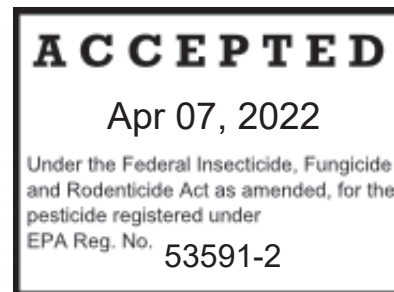
GRANULAR HERBICIDE

A selective herbicide for the preemergence control of annual grasses and broadleaf weeds in Alfalfa, Almond, Apricot, Asparagus, Barley, Beans – All Dry and Fresh Beans/Peas, Borage, Broccoli, Brussels Sprouts, Cabbage, Calendula, Carrot, Castor Oil Plant, Cauliflower, Celery, Chicory, Chinese tallowtree, Collard Greens, Field Corn, Cotton, Crambe, Cucurbits, Cuphea, Dry Peas, Durum, Echium, English Peas, Euphorbia, Evening primrose, Flax, Flaxseed, Gold of Pleasure, Grain Sorghum, Grapes, Grapefruit, Guar, Hare's ear mustard, Hops, Jojoba, Kale, Kenaf, Lemon, Lesquerella, Lima Bean, Lunaria, Meadowfoam, Milkweed, Mungbean, Mustard Greens, Mustard Seed, Nectarine, Niger seed, Oil radish, Okra, Onions, Orange, Peach, Peanuts, Pecan, Pepper, Plum, Poppy seed, Potatoes, Prune, Radish, Rapeseed, Rose hip, Safflower, Sesame, Snap Bean, Southern Peas, Soybeans, Stokes aster, Sugar Beets, Sugarcane, Sunflowers, Sweet rocket, Tallowwood, Tangelo, Tangerine, Tea oil plant, Tomatoes, Turnip Greens, Vernonia, Walnut, and Wheat

Active Ingredient:

trifluralin: α,α,α -trifluoro-2,6-dinitro- <i>N,N</i> -dipropyl- <i>p</i> -toluidine.....	10%
Other Ingredients	90%
Total	100%

Contains 5 lb active ingredient per 50 lb bag.

**Keep Out of Reach of Children**

CAUTION PRECAUTION

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes Eye Irritation • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as butyl rubber ≥ 11 mils; or natural rubber ≥ 14 mils; or neoprene rubber ≥ 14 mils; or nitrile rubber ≥ 14 mils
- Shoes plus socks

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

Engineering Controls

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/PPE 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.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

Environmental Hazards

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. 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 apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

(Storage and Disposal for rigid containers 5 gal or less)

Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Avoid freezing. Store above 40°F (5°C). If frozen, poor weed control may result. Do not use or store near heat or open flame. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate

into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

(Storage and Disposal for nonrigid containers any size)

Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original container only. In case of spill, contain material and dispose as waste.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for refillable rigid containers larger than 5 gal)

Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Avoid freezing. Store above 40°F (5°C). If frozen, poor weed control may result. Do not use or store near heat or open flame. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

(Storage and Disposal for nonrefillable rigid containers larger than 5 gal)

Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Avoid freezing. Store above 40°F (5°C). If frozen, poor weed control may result. Do not use or store near heat or open flame. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

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Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several

times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call the National Pesticides Information Center at 1-800-858-7378.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 53591-2

EPA Est. _____

**Produced for
Finchimica S.P.A.
Via Lazio, 13
25025 Manerbio (BS), ITA
ITALY**

NET CONTENTS __

(cover/shipping container):

TRIFLURALIN	GROUP	3	HERBICIDE
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Finchimica Trifluralin GR-10

GRANULAR HERBICIDE

A selective herbicide for the preemergence control of annual grasses and broadleaf weeds in Alfalfa, Almond, Apricot, Asparagus, Barley, Beans – All Dry and Fresh Beans/Peas, Borage, Broccoli, Brussels Sprouts, Cabbage, Calendula, Carrot, Castor Oil Plant, Cauliflower, Celery, Chicory, Chinese tallowtree, Collard Greens, Field Corn, Cotton, Crambe, Cucurbits, Cuphea, Dry Peas, Durum, Echium, English Peas, Euphorbia, Evening primrose, Flax, Flaxseed, Gold of Pleasure, Grain Sorghum, Grapes, Grapefruit, Guar, Hare’s ear mustard, Hops, Jojoba, Kale, Kenaf, Lemon, Lesquerella, Lima Bean, Lunaria, Meadowfoam, Milkweed, Mungbean, Mustard Greens, Mustard Seed, Nectarine, Niger seed, Oil radish, Okra, Onions, Orange, Peach, Peanuts, Pecan, Pepper, Plum, Poppy seed, Potatoes, Prune, Radish, Rapeseed, Rose hip, Safflower, Sesame, Snap Bean, Southern Peas, Soybeans, Stokes aster, Sugar Beets, Sugarcane, Sunflowers, Sweet rocket, Tallowwood, Tangelo, Tangerine, Tea oil plant, Tomatoes, Turnip Greens, Vernonia, Walnut, and Wheat

Active Ingredient:

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Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call the National Pesticides Information Center at 1-800-858-7378.

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(Page 1 through end):

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Hazards to Humans and Domestic Animals

CAUTION

Causes Eye Irritation • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as butyl rubber ≥ 11 mils; or natural rubber ≥ 14 mils; or neoprene rubber ≥ 14 mils; or nitrile rubber ≥ 14 mils
- Shoes plus socks

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

Engineering Controls

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/PPE 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.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

Environmental Hazards

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. 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 apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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), 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 the treated area 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 butyl rubber ≥ 11 mils; or natural rubber ≥ 14 mils; or neoprene rubber ≥ 14 mils; or nitrile rubber ≥ 14 mils
- Shoes plus socks

Storage and Disposal

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

Pesticide Storage: Store in original container only. In case of spill, contain material and dispose as waste.

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

Nonrefillable rigid containers 5 gallons or less:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Nonrefillable nonrigid containers:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refillable rigid containers larger than 5 gal:

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Product Information

Finchimica Trifluralin GR-10 granular herbicide is a selective preemergence herbicide for control of many annual grasses and broadleaf weeds in alfalfa, almond, apricot, asparagus, barley, beans – all dry and fresh beans/peas, borage, broccoli, brussels sprouts, cabbage, calendula, carrot, castor oil plant, cauliflower, celery, chicory, chinese tallowtree, collard greens, field corn, cotton, crambe, cucurbits, cuphea, dry peas, durum, echium, english peas, euphorbia, evening primrose, flax, flaxseed, gold of pleasure, grain sorghum, grapes, grapefruit, guar, hare's ear mustard, hops, jojoba, kale, kenaf, lemon, lesquerella, lima bean, lunaria, meadowfoam, milkweed, mungbean, mustard greens, mustard seed, nectarine, niger seed, oil radish, okra, onions, orange, peach, peanuts, pecan, pepper, plum, poppy seed, potatoes, prune, radish, rapeseed, rose hip, safflower, sesame, snap bean, southern peas, soybeans, stokes aster, sugar beets, sugarcane, sunflowers, sweet rocket, tallowwood, tangelo, tangerine, tea oil plant, tomatoes, turnip greens, veronica, walnut, and wheat

Finchimica Trifluralin GR-10 must be soil-incorporated within 24 hours of application. Finchimica Trifluralin GR-10 controls susceptible weeds as they germinate. Finchimica Trifluralin GR-10 does not control established weeds.

Use Precautions

Applied according to directions and under normal growing conditions, Finchimica Trifluralin GR-10 will not harm the treated crop. Over-application may result in crop injury or rotational crop damage from soil residue. Uneven application or improper incorporation of Finchimica Trifluralin GR-10 can result in erratic weed control or crop injury. Seedling disease, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of damage from Finchimica Trifluralin GR-10. Under these conditions, delayed crop development or reduced yields may result.

Do not apply Finchimica Trifluralin GR-10 to soils that are wet or are subject to prolonged periods of flooding as poor weed control may result.

In Montana, uses of Finchimica Trifluralin GR-10 are limited to those described in supplemental labeling. Refer to supplemental labeling for crops and specific use directions.

Restriction: Do not use Finchimica Trifluralin GR-10 on any crop grown in Pecos county or Reeves county, Texas.

Rotation Crop Restrictions

Sugar Beets, Red Beets and Spinach

In Arizona, Colorado, California, Idaho, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming: Do not plant sugar beets, red beets or spinach for 12 months after a spring application or 14 months after a fall application of Finchimica Trifluralin GR-10. If land has not been irrigated, do not plant these crops for 18 months after a spring application or 20 months after a fall application of Finchimica Trifluralin GR-10. Moldboard plowing to a depth of 12 inches prior to planting these crops will reduce the possibility of crop injury.

In all other areas: Do not plant sugar beets, red beets, and spinach for 12 months after a spring application or 14 months after a fall application. Before planting sugar beets, moldboard plow to a depth of 12 inches to reduce the possibility of crop injury.

Proso Millet, Field Corn, Sorghum (Milo), Oats and Annual or Perennial Grass Crops or Grass Mixtures

In Arizona, Colorado, California, Idaho, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming: Delay planting proso millet, field corn, sorghum (milo), oats and annual or perennial grass crops or grass mixtures for 12 months after a spring application or 14 months after a fall application of Finchimica Trifluralin GR-10 to avoid the possibility of crop injury. If land has not been irrigated, delay planting these crops for 18 months after a spring application or 20 months after a fall application. Moldboard plowing to a depth of 12 inches before planting these crops will reduce the possibility of crop injury.

In Minnesota, North Dakota and South Dakota: Delay planting proso millet, sorghum (milo), oats and annual or perennial grass crops or grass mixtures for 18 months after a spring application or 21 months after a fall application of Finchimica Trifluralin GR-10.

In those portions of Kansas, Nebraska, Oklahoma and Texas that receive less than 20 inches of rainfall and irrigation to produce a crop: Delay planting proso millet, sorghum (milo), oats and annual or perennial grass crops or grass mixtures for 18 months after an application of Finchimica Trifluralin GR-10. In sorghum, cool wet weather conditions during early growth stages may increase the possibility of crop injury.

All other areas receiving more than 20 inches of rainfall and irrigation: Delay planting proso millet, sorghum (milo), oats and annual or perennial grass crops or grass mixtures for 12 months after a spring application or 14 months after a fall application of Finchimica Trifluralin GR-10.

Rotation Crops Other Than Those Specifically Addressed Above

For all other crops, with the exception of those to which Finchimica Trifluralin GR-10 may be applied as a preplant soil incorporated treatment, delay planting for 5 months after an application of Finchimica Trifluralin GR-10.

Resistance Management

For resistance management, Finchimica Trifluralin GR-10 is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same

field. Appropriate resistance management strategies should be followed. To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of Finchimica Trifluralin GR-10 or other Group 3 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance management and/or integrated weed-management recommendations for specific crops and weed biotypes.

Integrated Weed Pest Management

Integrate this product into an overall weed pest management strategy whenever the use of an herbicide is required. Practices known to reduce weed development (tillage, crop competition) and herbicide use (weed scouting, proper application timing, banding) should be followed wherever possible. Consult local agricultural and weed authorities for additional IPM strategies established for your area.

SPRAY DRIFT

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- The boom length must not exceed 75% of the wingspan for airplanes or 90% of the rotor blade diameter for helicopters.
- Do not apply during temperature inversions.

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Do not make applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Application Directions

Soil Preparation

Finchimica Trifluralin GR-10 may be applied to standing stubble or soil that has been pre-tilled. Existing weeds and crop residues should be reduced to a manageable level using tillage so that Finchimica Trifluralin GR-10 can be uniformly incorporated into the top 2 to 3 inches of the final seedbed. Soil

surface conditions should allow Finchimica Trifluralin GR-10 to be thoroughly and uniformly mixed into the top 2 to 3 inches of soil. If this is not possible the soil should be tilled prior to application.

Soil Conditions

The soil surface should be smooth enough to allow for uniform application and efficient incorporation of Finchimica Trifluralin GR-10. Apply when soil moisture is sufficient to allow breakup of large clods and uniform mixing during the incorporation process. Soil compaction and/or nonuniform incorporation may occur when soil is excessively moist.

Application

Finchimica Trifluralin GR-10 may be applied with ground or aerial broadcast application equipment. Apply only with equipment capable of accurate calibration and uniform application of herbicide granules. Apply at the specified rate for soil texture class to be treated. Follow calibration directions provided by the equipment manufacturer. Avoid releasing granules in narrow bands on the soil surface as this may cause crop injury.

Aerial Application: Avoiding product drift from the application site is the responsibility of the applicator. The interaction of many equipment- and-weather-related factors determine the potential for product drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Freezing will not adversely affect this product. If product is frozen at the time of application, manipulate bags or thaw to restore product to free-flowing state.

Soil Texture Guide for Application Rates

Rates listed for Finchimica Trifluralin GR-10 for incorporated treatments are based on soil texture class (coarse, medium or fine) and soil organic matter content. A fine textured soil (e.g., clay loam) will require a higher application rate than a coarse textured soil (e.g., loamy sand). In the table below, find the soil texture class (coarse, medium or fine) corresponding to the soil texture to be treated. Choose the proper rate for each application based on the soil texture class and specific crop Directions for Use. Do not exceed the listed maximum use rates.

Soil Texture Class	Soil Texture to be Treated
coarse (light) soils	Sand, loamy sand, sandy loam
medium soils	Loam, silty clay loam ¹ , silt loam, silt, sandy clay loam ¹
fine (heavy) soils	Clay, clay loam, silty clay loam ¹ , silty clay, sandy clay, sandy clay loam ¹

¹Silty clay loam and sandy clay loam soils are transitional soils and may be classified as either medium or fine textured soils. If silty clay loam or sandy clay loam soils are predominantly sand or silt, they are usually classified as medium textured soils. If they are predominantly clay, they are usually classified as fine textured soils.

Application Rate Ranges

Where a rate range is shown, use the lower rate for coarser textured soils or soils with low organic matter content. Use the higher rate in the rate range for finer textured soils and on soils containing more than 5% organic matter. Where soil texture is variable within the same field, use the lower listed rate of Finchimica Trifluralin GR-10.

Application Timing

Spring Application

Apply Finchimica Trifluralin GR-10 any time after January 1 when soil can be worked and is in condition suitable for good incorporation. See Labeled Crops section for information on specific crops.

Fall Application

Application Timing: In **California, Minnesota, North Dakota and South Dakota**, apply Finchimica Trifluralin GR-10 any time between September 1 and December 31. In all other states, fall apply Finchimica Trifluralin GR-10 any time between October 15 and December 31.

Application Rates for Fall Application: Refer to the Labeled Crops section of this label for specific rates. Increased rates for fall application are recommended for certain crops grown in certain geographic areas. For crops for which there are no specific fall application instructions, and for which Finchimica Trifluralin GR-10 is listed as a preplant incorporated treatment, use the rates listed for spring applications. In areas receiving greater than 20 inches total average annual rainfall and irrigation, use the higher rate in the listed rate range. Do not fall apply Finchimica Trifluralin GR-10 prior to planting sugar beets, potatoes and direct seeded tomatoes the following spring.

Ground may be left flat or bedded-up over winter. On bedded ground, knock beds down to desired height before planting, moving some treated soil from beds into furrows. Where soil is left flat over winter, be careful not to turn up untreated soil during spring bedding operations. Destroy established weeds during seedbed preparation.

Prior to planting, destroy any weeds which have become established in furrows due to uncovering of untreated soil. Do not apply Finchimica Trifluralin GR-10 in the fall to soils that are wet or subject to prolonged periods of flooding, or where rice was grown the previous year.

Incorporation Directions

Finchimica Trifluralin GR-10 must be soil-incorporated within 24 hours of application either by mechanical incorporation or at least 0.5 acre inch of water (rainfall, irrigation). If a second incorporation is needed it should be delayed 3 to 5 days after the first incorporation and be completed prior to planting. The second incorporation pass should occur in a different direction than the first. Use incorporation equipment capable of thoroughly and uniformly mixing Finchimica Trifluralin GR-10 into the top 2 to 3 inches of the final seedbed. Erratic weed control may result if untreated soil is moved to the surface during the second incorporation pass. To avoid this problem, set equipment so that the second incorporation pass is not deeper than the first.

Incorporation in Established Crops

Finchimica Trifluralin GR-10 may be applied and incorporated in certain established crops. Refer to the Labeled Crops section of this label for specific incorporation directions.

Incorporation in Bedded Culture

For optimum weed control, Finchimica Trifluralin GR-10 should be incorporated into the top 2 to 3 inches of the final seedbed.

Application Prior to Bedding

Apply and make first incorporation with recommended equipment. The bedding operation serves as the second incorporation. Do not expose untreated soil during post-bedding operations.¹

Application After Bedding

Knock off beds to planting height before applying. Apply Finchimica Trifluralin GR-10 and incorporate with recommended equipment that will conform to the bed shape. Do not leave untreated soil exposed.¹

¹Avoid removal of treated soil from the seedbed before or during the planting operation. Exposure of untreated soil will allow weeds to germinate in the drill row.

Cultivation After Planting

Treated crops may be shallowly cultivated without loss of weed control activity. Avoid deep cultivation that could bring untreated soil to the soil surface and result in loss of weed control.

Preferred Incorporation Equipment

Any of the listed incorporation implement may be used alone or in combination with any other listed implement. Two incorporation passes are necessary unless otherwise specified in use directions for a specific crop. The second incorporation should not be deeper than the first.

Tandem Disc: Set to cut 4 to 6 inches deep and operate at 4 to 6 mph.

Field Cultivator: Set equipment to cut 3 to 4 inches deep and operate at a minimum of 5 mph. A field cultivator is defined as an implement with 3 to 4 rows of sweeps, spaced at intervals of 7 inches or less, with sweeps on successive rows staggered so that no soil is left unturned. Chisel points should not be used. Best results are obtained when the field cultivator is equipped with harrow, reel or basket attachments. The second incorporation may be accomplished with an air seeder (field cultivator setup).

Chisel Plow (for Use in Northern Great Plains): The chisel plow may be used for the first incorporation pass only. Any other recommended incorporation implement may be used for the second pass for row crops. The chisel plow may be used for any tillage or incorporation pass in the summer fallow program. Operate chisel plow 4 to 5 inches deep at 4 to 6 mph. A chisel plow is defined as having 3 rows of 14- to 18-inch sweeps spaced no more than 12 inches apart. Sweeps should be staggered so that no soil is left unturned. Chisel points should not be used.

Combination Implements: These implements are defined as two or more tillage devices combined to operate as a single tillage unit. For example, 2 to 3 rows of field cultivator C- or S-shaped shanks with successive rows of sweeps staggered so that no soil is left unturned, followed by a spike-tooth or flexline harrow, followed by ground driven reel, basket or incorporation wheels. Combination implements should be set to cut 3 to 4 inches deep and operated at a minimum of 6 mph. Combination tools can also be composed of 2 rows of wide crown sweeps that overlap so that the roots of all weeds and plants are severed. This should be followed by 2 gangs of rotating spoked wheels that thoroughly mix Finchimica Trifluralin GR-10 into the top 2 to 3 inches of the final seedbed.

Rolling Cultivator: Set to cut 2 to 4 inches deep and operate at 6 to 8 mph.

Mulch Treader (Other Similar Disc-Type Implements): Set to cut 3 to 4 inches deep and operate at 5 to 8 mph.

P.T.O. Driven Equipment (Tillers, Cultivators, Hoes): Adjust to incorporate Finchimica Trifluralin GR-10 into the top 2 to 3 inches of the seedbed with rotors spaced to provide a clean sweep of the soil. Only one incorporation is necessary. P.T.O. driven equipment should not be operated at a speed greater than 4 mph.

Other Equipment: Other implements including a flexible tine-tooth harrow (Flexline or Melroe), Gates harrow, sweep-type cultivator, V-blade undercutter, or rolling cultivator are recommended, but only for certain uses defined in the Labeled Crops section of this label.

Conservation Tillage Practices: In reduced or minimum tillage situations, fall or spring application and incorporation of Finchimica Trifluralin GR-10 may be combined with tillage operations. The first incorporation may utilize equipment such as a tandem disc, combination implement or bedding equipment that provides good soil mixing, but leaves a maximum amount of crop residue on the soil surface. The second incorporation may be accomplished with tillage equipment that provides uniform soil mixing used in conjunction with no-till planters (see specific recommendations for reduced or conservation tillage situations for cotton and soybeans in the Labeled Crops section).

Weeds Controlled by Finchimica Trifluralin GR-10

The following weeds are controlled by preplant incorporated treatments of Finchimica Trifluralin GR-10.

Common Name

Scientific Name

Grasses

annual bluegrass	<i>Poa annua</i>
barnyardgrass (watergrass)	<i>Echinochloa crus-galli</i>
bromegrass (cheatgrass) (downy brome)	<i>Bromus tectorum</i>
crabgrass (large crabgrass) (smooth crabgrass)	<i>Digitaria</i> spp.
foxtail (bottlegrass) (bristlegrass) (foxtail millet) (giant foxtail) (green foxtail) ¹ (pigeongrass) (robust foxtail) (yellow foxtail)	<i>Setaria</i> spp.
johnsongrass (from seed)	<i>Sorghum halepense</i>
junglerice	<i>Echinochloa colonum</i>
ryegrass, annual	<i>Lolium multiflorum</i>
sandbur (burgrass)	<i>Cenchrus incertus</i>
signalgrass, broadleaf (brachiaria)	<i>Brachiaria platyphylla</i>
sprangletop	<i>Leptochloa filiformis</i>
stinkgrass (lovegrass)	<i>Eragrostis cilianensis</i>
shattercane (wild cane)	<i>Sorghum bicolor</i>
wooly cupgrass	<i>Eriochloa villosa</i>

Broadleaf Weeds

carpetweed	<i>Mollugo verticillata</i>
chickweed, common	<i>Stellaria media</i>
goosefoot	<i>Chenopodium hybridum</i>
henbit	<i>Lamium amplexicaule</i>
knotweed	<i>Polygonum aviculare</i>
lambsquarters, common	<i>Chenopodium album</i>
pigweed (carelessweed) (palmer amaranth) ² (prostrate pigweed) (redroot pigweed) (rough pigweed) (spiny pigweed)	<i>Amaranthus</i> spp.
puncturevine (western U.S. only) (caltrop) (goathead)	<i>Tribulus terrestris</i>
purslane, common	<i>Portulaca oleracea</i>
pusley, Florida (Florida purslane) (Mexican clover) (pusley)	<i>Richardia scabra</i>
stinging nettle (nettle)	<i>Urtica dioica</i>

¹Finchmica Trifluralin GR-10 will not control DNA resistant biotypes of green foxtail (*Setaria viridis*).

²Suppression only in areas of the southwest U.S. where tolerance to trifluralin has been observed.

Crops

Alfalfa - Established

Apply Finchimica Trifluralin GR-10 granular herbicide to established alfalfa prior to weed emergence with ground or aerial equipment. A single rainfall or overhead sprinkler irrigation of 0.5 inches or more, flood irrigation or furrow irrigation after application is required to activate Finchimica Trifluralin GR-10. If activated using furrow irrigation, the surface of beds between furrows should be thoroughly wetted. If activation does not occur within 3 days after application, Finchimica Trifluralin GR-10 should be activated using incorporation equipment that will insure thorough soil mixing with minimum damage to the established alfalfa.

Weeds Controlled

Barnyardgrass, bromegrass (cheatgrass, downy brome), canarygrass, cheat (chess), crabgrass, woolly cupgrass, foxtail, junglerice, sandbur, and wild barley.

Application Rate per Acre

Apply Finchimica Trifluralin GR-10 at a rate of 20 lb product (2 lb active ingredient) per acre for all soil textures.

Application Timing

Finchimica Trifluralin GR-10 may be applied during dormancy or throughout the growing season immediately after a cutting. Because Finchimica Trifluralin GR-10 does not control established weeds, application must be made prior to the expected time of weed germination.

Fall Application: Apply immediately after a cutting between August 1 and October 1. When fall applied, Finchimica Trifluralin GR-10 controls bromegrass and cheat in addition to other weeds listed on this label that germinate after application. Bromegrass and cheat begin to germinate in the fall with the onset of cooler weather.

Precautions:

In the season following a 20 lb product per acre treatment of Finchimica Trifluralin GR-10 where established alfalfa is to be rotated to another crop, plant only those crops for which Finchimica Trifluralin GR-10 can be applied as a preplant incorporated treatment or crop injury may result.

Restrictions:

- Do not exceed 20 lb of Finchimica Trifluralin GR-10 (2 lb active ingredient) per acre per application.
- Do not apply more than 40 lb of Finchimica Trifluralin GR-10 (4 lb active ingredient) per year.
- Do not harvest alfalfa hay or forage within 21 days after an application.

Asparagus - Established

Apply Finchimica Trifluralin GR-10 to established asparagus as a single or split application. Finchimica Trifluralin GR-10 will suppress volunteer seedling asparagus and field bindweed when listed rates, application and timing are followed. Follow the soil preparation, application and incorporation procedures for Finchimica Trifluralin GR-10 under Product Information section of this label.

Application Timing

Apply in winter or early spring after mature ferns have been removed, but before new spears begin to emerge. Apply post-harvest applications immediately after harvest in late spring or early summer just before ferns are allowed to develop.

Broadcast Application Rates/Acre:

Finchimica Trifluralin GR-10

Soil Texture	Split Application Before and After Harvest (lb)	Single Application Before or After Harvest (lb)
coarse	5.0 + 5.0	10
medium	7.5 + 7.5	15
fine	10 + 10	20

- **Restriction:** Do not apply more than 10 lb product per acre on coarse soils, 15 lb product per acre on medium soils or 20 lb product per acre on fine soils during the calendar year.

Beans - All Dry and Fresh Beans/Peas from Crop Group 6 (Except Guar, Mungbean, Lima Bean, Snap Bean, Soybean, English Pea and Southern Pea)

Apply and incorporate Finchimica Trifluralin GR-10 in the spring before planting or in the fall prior to spring planting. See instructions for fall application of Finchimica Trifluralin GR-10 under the heading Application Timing in the Product Information section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	5.0 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Beans - Guar and Mungbean

Apply and incorporate Finchimica Trifluralin GR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	7.5
fine	7.5

- All soils with 2 to 5% organic matter - 7.5 lb per acre

Beans - Lima Bean and Snap Bean

Apply and incorporate Finchimica Trifluralin GR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5

medium	5
fine	7.5

- All soils with 2 to 5% organic matter - 7.5 lb per acre

Carrot

Apply and soil incorporate Finchimica Trifluralin GR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Celery

Apply as a soil incorporated treatment. Finchimica Trifluralin GR-10 may be applied to direct seeded or transplant celery before planting, at planting or immediately after planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Chicory (*Cichorium intybus* or *Cichorium endiva*)

Finchimica Trifluralin GR-10 may be applied as a preplant incorporated treatment to chicory grown either as a root crop or leafy vegetable as indicated below:

Cichorium intybus, considered to be a root crop, may be harvested as:

- Chicory - the dried and processed root used as a coffee substitute.
- Radicchio - green leaves harvested from field grown plantings.
- Belgian Endive - white leaves grown in the dark from field grown rootstalks.

Cichorium endiva, considered to be a leafy vegetable, may be harvested as:

- Escarole - curly green leaves from field grown plantings.
- Endive - very curly green leaves from field grown plantings.

Apply Finchimica Trifluralin GR-10 as a soil incorporated treatment in spring or early summer prior to planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5.0
medium	7.5
fine	10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- Soils with 5 to 10% organic matter - 10 lb product per acre

Cole Crops - Broccoli, Brussels Sprouts, Cabbage and Cauliflower

Direct Seeded Cole Crops

Apply and incorporate Finchimica Trifluralin GR-10 granular herbicide before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	5
fine	7.5

- All soils with 2 to 5% organic matter - 7.5 lb product per acre

Transplanted Cole Crops

Apply and incorporate Finchimica Trifluralin GR-10 before transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Corn (Field Corn Only)

Finchimica Trifluralin GR-10 may be applied as a postemergence treatment following cultivation or the use of a preemergence herbicide. Uniformly apply to the soil surface when crop is well established (2 true leaf stage or taller). Finchimica Trifluralin GR-10 does not control established weeds.

Incorporation Directions

Finchimica Trifluralin GR-10 must be incorporated within 24 hours after application. Incorporation may be accomplished with one pass of a sweep-type cultivator or properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at a speed that will provide maximum soil movement. Adjust middle sweeps so as to avoid exposing untreated soil. Adjust incorporation equipment so as to avoid mechanical injury to the crop.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	3.75 - 5 [†]
medium	5 - 7.5
fine	7.5 - 10

[†]Apply 5 to 7.5 lb product per acre on coarse soils in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia to control fall panicum and Texas panicum.

- Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Restrictions:

- Do not apply Finchimica Trifluralin GR-10 to sweet corn, popcorn or corn grown for seed.
- Do not apply Finchimica Trifluralin GR-10 as a preplant or preemergence treatment or crop injury may occur.
- Do not apply Finchimica Trifluralin GR-10 within 6 weeks prior to harvesting forage, fodder or silage or after field corn is 30 inches tall.

Cotton and Cottonseed

Application Timing

Finchimica Trifluralin GR-10 may be applied for weed control in cotton in the fall, in the spring before or at planting, after planting but prior to crop emergence, and to established cotton up to and including lay-by, but no later than 90-days before harvest.

How to Apply

Finchimica Trifluralin GR-10 may be applied and soil incorporated or it may be applied to the surface of soil and watered-in (follow directions for incorporation with overhead sprinkler irrigation in Minimum Tillage Cotton section below).

Follow the soil preparation, application, and incorporation procedures in the Product Information section of this label. For fall application, in addition to the directions below, refer to instructions in the Application Timing section under Product Information. For lay-by application, refer to instructions in the Lay-by Application section below.

If incorporating after planting, incorporate Finchimica Trifluralin GR-10 soon after planting and set equipment so as to avoid disturbing planted cottonseed.

For band applications, reduce the application rate in proportion to the row spacing and bandwidth treated. For example, treating a 12-inch band where the row spacing is 36 inches would require 1/3 of the listed broadcast rate per acre (12 inches divided by 36 inches = 1/3).

Conventional Tillage Cotton

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10		
	Spring Application ¹ (lb)	Fall Application (lb)	
		Eastern U.S. ²	Western U.S. ³

coarse	5	10	7.5
medium	6.25 – 7.5	10	10
fine	7.5 – 10	12.5	12.5

¹ Spring Application:

- On coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre.
- On fine soils with 2 to 5% organic matter - 10 lb product per acre.
- On all soils with 5 to 10% organic matter - 10 lb product per acre.
- Use the lower rates in rate ranges in areas receiving less than 20 inches total annual rainfall and irrigation.

² Fall Application: For eastern U.S. including Alabama, Arkansas, northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri (bootheel), North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee, and Texas.

³ Fall Application: For western U.S. including Arizona and California.

For fall application in all other states and areas not listed in the above footnotes: Apply Finchimica Trifluralin GR-10 at the spring application rate, using the high rate where a range is given.

Minimum Tillage Cotton (Conservation Tillage Cotton)

Fall Application Prior to Establishing a Small Grain Cover Crop

Apply Finchimica Trifluralin GR-10 at a broadcast rate of 10 to 15 lb per acre. Use the 15-lb product per acre rate where crop residues are present or where dense weed populations are anticipated. Make applications to flat ground and incorporate once within 24 hours using incorporation implements such as a springtooth harrow that can be set to cut no more than 2 to 3 inches deep. **Do not incorporate with a tandem disc.** Form beds with disc bedders or other bedding implements that will mix and move most of the treated soil from the furrow area to the beds. Fertilizer may be applied as appropriate during incorporation operations. Plant 2 to 4 rows of a small grain cover crop, such as barley, rye or wheat, 2 inches deep in the furrow area between the beds. To avoid injury to small grain seedlings, place seed below the treated layer of soil. Barley is more tolerant to injury than wheat or rye. Existing soil moisture must be present to establish and maintain the cover crop. In late winter (February), apply 2,4-D if necessary for broadleaf weed control.

Spring Application Before or After Planting

Apply Finchimica Trifluralin GR-10 as a broadcast treatment or as a band to bare ground or standing dead cover following burndown with a postemergence herbicide. Finchimica Trifluralin GR-10 may be applied and incorporated either before planting or after planting. If applied after planting, incorporate immediately and set incorporation equipment at a depth that will not disturb the planted seed. If Finchimica Trifluralin GR-10 is applied as a band, adapt incorporation equipment to the width of the treated band and use equipment that will uniformly mix Finchimica Trifluralin GR-10 into the top 1 inch of soil. Compared to double pass incorporation, weed control may be reduced when using single pass incorporation or if using equipment that does not thoroughly mix Finchimica Trifluralin GR-10 into the treated soil.

Broadcast Application Rates/Acre for Minimum Tillage:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5.0 – 10.0
medium	7.5 – 10.0
fine	10.0 – 20.0

Use the lower rate in the rate range when additional sequential applications of Finchimica Trifluralin GR-10 are anticipated. Use the higher rate in the rate range where crop residues are present, or where dense weed populations are anticipated.

Incorporation with Overhead Sprinkler Irrigation

Finchimica Trifluralin GR-10 may be surface applied in minimum tillage cotton as either a band or broadcast treatment before or after planting. Because Finchimica Trifluralin GR-10 does not control established weeds, planting and application should occur as soon as possible after the last tillage operation or cultivation, before weeds have germinated. Surface applied Finchimica Trifluralin GR-10 must be activated as soon as possible after application with 0.75 acre inch or more of uniformly applied overhead sprinkler irrigation. Do not delay irrigation past 3 days.

Broadcast Application Rates/Acre (When Incorporated with Sprinkler Irrigation):

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5.0 – 15.0
medium	7.5 – 20.0
fine	10.0 – 20.0

Use the higher rate in the rate range where crop residues are present or where dense weed populations are anticipated.

Lay-by Application

Lay-by application may be made in established cotton after the 4 true leaf growth stage, but no later than 90 days before harvest. Apply Finchimica Trifluralin GR-10 uniformly to the soil surface using properly calibrated granular application equipment. Incorporate using one pass of a sweep-type cultivator or properly adjusted rolling cultivator. Operate cultivation equipment at speeds sufficient to provide vigorous soil mixing and exercise care to avoid mechanical injury to the crop. Compared to conventional double pass incorporation, weed control may be reduced when using single pass incorporation or if using equipment that does not provide thorough soil mixing. The lay-by application rate must not exceed the rate given in the lay-by table below for each soil texture.

Lay-by Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5.0
medium	7.5
fine	10.0

Precautions: Plant cotton after early season adverse weather conditions have passed, especially when using high rates. Cool, wet weather early in the growth cycle causes stress to the cotton plant. The added stress may result in reduced stand, delayed maturity, and reduced yields.

Maximum Crop Year Use Rate: For full season weed control, Finchimica Trifluralin GR-10 may be applied one or more times sequentially during the cotton crop year observing the rates, methods of application, and a 90-day preharvest interval. The maximum dosage must not exceed the rates given and **the maximum cumulative amount of Finchimica Trifluralin GR-10 that may be applied *within the same crop year* (includes fall application or spring application, and lay-by application) must not exceed 20 lb product per acre (2 lb active ingredient per acre).** Do not apply more than 2 lb active ingredient per acre per application.

Rotation Crop Restrictions: Refer to the Rotation Crop Restrictions section under Product Information for specific rotational crop restrictions. When the cumulative amount of Finchimica Trifluralin GR-10 in one crop year (fall or spring plus lay-by) exceeds the rates in the table below, plant only those crops for which Finchimica Trifluralin GR-10 is labeled as a preplant incorporated treatment in the season following the application of Finchimica Trifluralin GR-10 or crop injury may result.

Soil Texture	Cumulative Amount of Finchimica Trifluralin GR-10/Acre in One Crop Year (lb)
coarse	7.5
medium	7.5
fine	10.0

A small grain cover crop, such as barley, rye, or wheat, intended for prevention of wind erosion in minimum tillage cotton, may be planted in the fall following a maximum crop year use rate of 20 lb product per acre of Finchimica Trifluralin GR-10; however, reduced stand and delayed emergence and development of the cover crop may result. The cover crop must not be grazed or harvested.

Cucurbits

Postemergence Application Only

Apply and incorporate Finchimica Trifluralin GR-10 granular herbicide when plants have reached the 3 to 4 true leaf stage of growth. Set incorporation equipment to move treated soil around the base of plants during incorporation.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Restriction: Do not harvest watermelon within 60 days after application. All other crops have a 30 day preharvest interval.

Flax and Flax Seed (Fall Application Only)

Apply and incorporate Finchimica Trifluralin GR-10 in the fall between September 1 to December 31 in California, Minnesota, North Dakota and South Dakota, and between October 15 and December 31 in other states. Refer to instructions for fall application under Application Timing in the Product Information section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	7.5
fine	10

Special Instructions for Flax

1. Incorporation operations or other tillage performed in the spring prior to seeding should be relatively shallow so as to maintain a firm seedbed. The seedbed should be packed just prior to seeding.
2. Seed flax with a press drill or hoe drill. Seed into moist seedbed no more than 1.5 inches deep.
3. Delay seeding flax until the seedbed has warmed up.

Grain Sorghum (Milo)

Finchimica Trifluralin GR-10 may be applied as a postemergence treatment following the use of a preemergence herbicide. Uniformly apply to the soil surface when grain sorghum is 8 to 24 inches tall. Finchimica Trifluralin GR-10 does not control established weeds.

Soil Preparation

Cultivate soil before application to remove established weeds and cover the base of plants with soil. Set cultivation equipment to add approximately one inch of soil to the base of sorghum plants.

Activation and Incorporation Directions

Finchimica Trifluralin GR-10 must be incorporated within 24 hours after application. Incorporation may be accomplished with one pass of a sweep-type cultivator or properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at a speed sufficient to provide vigorous soil mixing. Set middle sweeps so as to avoid exposing untreated soil. Adjust incorporation equipment so as to avoid mechanical injury to the crop.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	4 - 5
medium	5 - 7.5
fine	7.5 - 10

Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Restriction: Do not apply after grain sorghum is 24 inches tall. Do not apply to grain sorghum as a preplant or preemergence treatment or crop injury will occur.

Greens: Collard, Kale, Mustard and Turnip (Fresh, for Processing, or Grown for Seed)

Apply to greens as a preplant incorporated treatment.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	7.5
fine	7.5

Hops

Apply and incorporate Finchimica Trifluralin GR-10 to established hops during dormancy. Incorporate once using incorporation equipment that will insure thorough soil mixing with minimal damage to crop stand.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5

medium	6.25 - 7.5
fine	6.25 - 7.5

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre

Kenaf

Apply as a preplant soil incorporated treatment .

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5.0
medium	5.0 - 7.5
fine	7.5

- Coarse soils with 2 to 5% organic matter - 7.5 lb product per acre
- Use higher rate in rate range where high weed populations are anticipated.

Restriction: Do not graze or harvest treated crop for livestock forage.

Oilseed - Borage, Crambe, Cuphea, Echium, Gold of pleasure (Camelina), Hare's ear mustard, Lesquerella, Lunaria, Meadowfoam, Milkweed, Mustard seed, Oil radish, Poppy seed, Rapeseed (Canola Varieties Only), Sesame, Sweet rocket

Apply as a soil incorporated treatment in the spring before planting or in late summer or early fall before a fall planting. Follow soil preparation, application and incorporation directions for Finchimica Trifluralin GR-10.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5.0
medium	7.5
fine	10.0

Restrictions:

- Do not apply to rapeseed (canola) grown in the state of Alaska.
- Do not graze or harvest crambe for livestock forage.
- Do not exceed 7.5 lb product/A for mustard seed
- Where applications are made in late summer or fall, plant as rotation crops in the season following application only those crops to which Finchimica Trifluralin GR-10 may be applied as a preplant incorporated treatment or crop injury may occur.

Oilseed – Calendula, Castor oil plant, Chinese tallowtree, Euphorbia, Evening primrose, Jojoba, Niger seed, Rose hip, Stokes aster, Sunflower, Tallowwood, Tea oil plant, and Vernonia

Apply and incorporate Finchimica Trifluralin GR-10 in the spring or in the fall between September 15 and December 31 in California, Minnesota, North Dakota and South Dakota, and between October 15 and December 31 in other states.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 – 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 to 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Oilseed - Safflower

Apply and incorporate Finchimica Trifluralin GR-10 in the spring before planting, or in the fall. See instructions for fall application under Application Timing in the Product Information section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10	
	Spring ¹ Application (lb)	Fall Application (lb)
coarse	5	7.5
medium	6.25 - 7.5	10
fine	7.5 - 10	12.5

¹Spring application:

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter – 10 to 12.5 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Okra

Apply and incorporate Finchimica Trifluralin GR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Onion (Dry Bulbs Only)

Postemergence Lay-by Application

Apply at lay-by to the soil between onion rows. Avoid applying directly to the tops or exposed bulbs of onion plants. Emerged weeds should be removed prior to application of Finchimica Trifluralin GR-10. Finchimica Trifluralin GR-10 will not control established weeds.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	3.75 - 5.0
medium	5.0 - 6.26

- Apply only to soils containing 3.5% or less organic matter
- **Note:** Use the lower rate in rate range where light weed pressure is anticipated.

Incorporation Directions

Finchimica Trifluralin GR-10 should be uniformly incorporated into the soil between the onion rows. Incorporation may be accomplished by operating a sweep-type or rolling cultivator 2 to 4 inches deep at 6 to 8 mph. Two incorporation passes are required with the first occurring within 24 hours after application or erratic weed control may result. Delay the second incorporation for a minimum of 5 days after the first. Avoid covering onions with treated soil during incorporation as injury to the crop may occur. Care should be taken to avoid mechanical injury to onion roots during incorporation.

Restrictions:

- Do not apply as a preplant or preemergence treatment.
- Do not apply to muck soils.
- **Preharvest Interval:** Do not apply within 60 days of harvest.

Precaution: Reduced yields may result from use of Finchimica Trifluralin GR-10 on onion crops weakened by diseases, improper incorporation depth, excessive moisture, high salt concentration or drought may weaken the crop and increase the possibility of damage from Finchimica Trifluralin GR-10. Under these conditions reduced yields may result.

Peas - English Peas

Apply and incorporate Finchimica Trifluralin GR-10 granular herbicide in the spring before planting or in the fall. Refer to instructions for fall application under Application Timing in the Product Information section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10	
	Spring Application (lb)	Fall ¹ Application (lb)
coarse	5	5
medium	5 - 7.5 ²	6.25 - 7.5
fine	7.5	7.5

¹Finchimica Trifluralin GR-10 may be fall applied to dry and English peas in the states of Idaho, Oregon and Washington.

²Medium soils with 3% or greater organic matter - 7.5 lb per acre.

- Use the lower rate in areas receiving less than 20 inches total annual rainfall and irrigation.

Peas - Southern Peas

Apply and incorporate Finchimica Trifluralin GR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Peanuts**(For Use in Texas, Oklahoma and New Mexico Only)**

Apply and incorporate Finchimica Trifluralin GR-10 before planting, at planting or immediately after planting. When incorporating after planting, adjust equipment to avoid disturbing planted seeds.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	7.5

Pepper (Transplant Only)

Apply and incorporate Finchimica Trifluralin GR-10 prior to transplanting. Do not apply after transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Potatoes**(Not for Use in the State of Maine)**

Apply and incorporate Finchimica Trifluralin GR-10 after planting prior to crop emergence, immediately following dragoff, or after potato plants have fully emerged.

Incorporation Directions

Set incorporation equipment so that the bed and furrow are uniformly covered with a layer of treated soil. If the layer of treated soil is not uniform and the herbicide is concentrated over the bed, potato emergence may be retarded and stem brittleness can occur. When applying and incorporating Finchimica Trifluralin

GR-10 after potato plants have fully emerged, do not completely cover the plants with treated soil. Likewise, do not completely cover plants during subsequent cultivation. Be careful that incorporation equipment does not damage potato seed pieces or elongating sprouts.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5.0
medium	6.25 - 7.5
fine	7.5 - 10.0

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Soils with 5 to 10% organic matter - 10.0 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Small Grains - Barley, Durum and Wheat

Special Precautions for Use of Finchimica Trifluralin GR-10 on Small Grains

Carefully follow directions for use of Finchimica Trifluralin GR-10 granular herbicide on small grains to minimize potential crop stress. Under certain conditions, delayed crop emergence and/or stand reduction may occur when Finchimica Trifluralin GR-10 is applied to barley, durum or wheat. The combined effect of certain cultural practices and unfavorable soil or environmental conditions may cause excessive crop seedling stress resulting in retarded crop growth, stand reduction and possibly reduced yield. **For best results, observe the following cultural practices or precautions:**

Use tillage methods that provide a uniformly firm seedbed and time tillage operations to conserve moisture.

Irrigate prior to planting or after germination and emergence. Moisture received between planting and emergence may cause crusting, especially on loose seedbeds.

Do not exceed soil-specific application rates for Finchimica Trifluralin GR-10. This is particularly important on coarse textured or low organic matter soils.

Carefully follow incorporation directions. When applying preplant incorporated treatments, operate equipment at recommended depth and speed to place Finchimica Trifluralin GR-10 into the upper 1 to 1.5 inches of soil. If applied after planting, set equipment so as to avoid disturbance of planted seed.

Set drills to place seed at the depth specified in use directions. A planting depth greater than 2.5 inches for **spring wheat or durum** will result in increased seedling stress and decreased emergence.

Use only high quality seed where Finchimica Trifluralin GR-10 is to be applied (avoid use of small seed with low starch reserves).

If seed treatments are used, apply at the correct rate and uniformly across all seeds. Misapplication may result in reduced germination and/or seedling vigor.

Avoid use of seed varieties known to have poor seedling (emergence) vigor.

Soil characteristics and environmental conditions which may contribute to crop seedling stress that may be accentuated by use of Finchimica Trifluralin GR-10 include:

Soil related: High salinity, eroded knolls/hilltops, loose dry soils and compaction.

Weather related: Cold and/or wet soils, excessively hot soils, excessive moisture, drought, and soil crusting from heavy rainfall.

Restriction: Do not apply Finchimica Trifluralin GR-10 on small grains where a dinitroaniline herbicide such as trifluralin or ethalfluralin was applied at a rate greater than 0.5 lb active ingredient per acre the previous growing season.

Incorporation Directions and Equipment for Small Grains

Use incorporation equipment in the manner described below unless otherwise specified in use directions. Any of the following implements listed below may be used for the first incorporation of Finchimica Trifluralin GR-10. Use only the disc or field cultivator for the second incorporation pass and incorporate in a different direction. Poor weed control may result if untreated soil is moved to the surface during the second incorporation pass. To avoid this problem, the second incorporation should not be deeper than the first.

Chisel Plow: May be used for the first incorporation pass only. Operate at 4 to 5 inches deep and at 4 to 6 mph. A chisel plow is defined as having 3 rows of 14- to 18- inch sweeps on no greater than 12- inch centers. Stagger sweeps so that no soil is left unturned. Use of chisel points may result in inadequate soil mixing.

Tandem Disc: Operate at 3 to 4 inches deep and at 4 to 6 mph.

Field Cultivator: Operate at 3 to 4 inches deep and at 5 mph or more. A field cultivator is defined as having 3 to 4 rows of sweeps with "C" or "S" shaped shanks on no greater than 7-inch centers. Stagger sweeps so that no soil is left unturned.

Application Directions for Small Grains

Barley, Spring Seeded -- Fall Application for Weed Control During the Following Season (for Use in Minnesota, North Dakota and South Dakota)

For weed control (except for special rate or use programs) in Minnesota, North Dakota and South Dakota.

Apply in the fall for weed control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Finchimica Trifluralin GR-10 in treated soil. Delay the second incorporation a minimum of 5 days after the first.

Note: See information on incorporation and incorporation equipment at the beginning of the Small Grains section.

Planting Directions: Set planting equipment to place seed approximately 1.5 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	7.5
fine	7.5

Finchimica Trifluralin GR-10 applied at 7.5 lb per acre will provide partial control or suppression of kochia and Russian thistle.

Precaution: While use of this practice may result in a stand reduction, slight stand reductions do not normally affect yield.

Barley, Spring Seeded -- Spring Application for Foxtail (Pigeongrass) Control (for Use in Minnesota, North Dakota and South Dakota)

Apply in the spring as a preplant incorporated treatment for foxtail (pigeongrass) control in spring seeded barley.

Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Finchimica Trifluralin GR-10 in treated soil. Delay the second incorporation a minimum of 5 days after the first.

Note: See information on incorporation and incorporation equipment at the beginning of the Small Grains section.

Planting Directions: Set planting equipment to place seed approximately 1.5 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	5
fine	5

Precaution: While use of this practice may result in a stand reduction, slight stand reductions do not normally affect yield.

Barley, Spring Seeded -- Spring Application for Foxtail (Pigeongrass) Control in Barley Used as a Cover Crop or in the Acreage Conservation Reserve Program (for Use in Minnesota, North Dakota and South Dakota)

Apply in the spring as a preplant incorporated treatment for foxtail (pigeongrass) control in spring seeded barley used as a cover crop or to acreage in the conservation reserve programs.

Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Finchimica Trifluralin GR-10 in treated soil. Delay the second incorporation a minimum of 5 days after the first.

Note: See information on incorporation and incorporation equipment at the beginning of the Small Grains section.

Planting Directions: Set planting equipment to place seed approximately 1.5 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	7.5
fine	7.5

Precautions: Use of this practice may result in a slight stand reduction. Follow the most severe grazing restrictions imposed by either the label for Finchimica Trifluralin GR-10 or the USDA Acreage Conservation Reserve Program, whichever is longest. Consult the local ASCS office or other state agency to determine the period of the USDA grazing restriction.

Spring Seeded Wheat or Durum - Spring Application Preplant Incorporated for Suppression of Foxtail (Pigeongrass) (for Use in North Dakota West of ND Highway Number 3 and in South Dakota)

Apply Finchimica Trifluralin GR-10 in the spring as a preplant incorporated treatment for suppression of green and yellow foxtail (pigeongrass) in spring seeded Wheat or durum.

Broadcast Application Rate:

Apply at a broadcast application rate of 3.5 to 4 lb product per acre for all soil types.

Incorporation Directions

The first incorporation must occur within 24 hours after application. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Finchimica Trifluralin GR-10 in treated soil. Delay the second incorporation a minimum of 5 days after the first. To avoid bringing untreated soil to the surface, the second incorporation should not be deeper than the first. A chisel plow with sweeps may be used for the first incorporation pass only.

Note: See information on incorporation and incorporation equipment at the beginning of the Small Grains section.

Planting Directions: Set equipment to place seed approximately 1.5 inches deep.

Spring Seeded Wheat or Durum -- Fall Application for Foxtail (Pigeongrass) Control During the Following Growing Season

Apply in the fall for foxtail (pigeongrass) control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure a uniform distribution of Finchimica Trifluralin GR-10 in treated soil. Delay the second incorporation a minimum of 5 days after the first.

Note: See information on incorporation and incorporation equipment at the beginning of the Small Grains section.

Planting Directions: Set planting equipment to place seed approximately 1.5 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	5
fine	7.5

Precaution: While use of this practice may result in a stand reduction, slight stand reductions do not normally affect yield.

Spring Seeded Durum or Spring Wheat - Fall Applied Preplant Incorporated for Suppression of Foxtail (Pigeongrass) (for Use in North Dakota West of the Red River Valley and in South Dakota)

Apply Finchimica Trifluralin GR-10 in the fall as a preplant incorporated treatment for suppression of green and yellow foxtail (pigeongrass) in spring seeded wheat.

Broadcast Application Rates:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	3.5 - 4.0
medium	3.5 - 4.0
fine	5.0

Use the lower rate in the rate range where light weed pressure is anticipated.

Incorporation Directions

The first incorporation must occur within 24 hours after application. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Finchimica Trifluralin GR-10 in treated soil. Delay the second incorporation a minimum of 5 days after the first. To avoid bringing untreated soil to the surface, the second incorporation should not be deeper than the first. A chisel plow with sweeps may be used for the first incorporation pass only.

Note: See information on incorporation and incorporation equipment at the beginning of the Small Grains section.

Planting Directions: Set equipment to place seed approximately 1.5 inches deep.

Note: Do not apply Finchimica Trifluralin GR-10 in the fall as a preplant incorporated treatment to be followed by spring wheat where a dinitroaniline herbicide such as trifluralin was applied at rates greater than 0.5 lb active ingredient per acre during the previous growing season.

Winter Wheat -- Preplant Incorporated for Control of Cheatgrass and Other Annual Grasses (for Use in Idaho, Oregon and Washington)

Apply Finchimica Trifluralin GR-10 as a preplant incorporated treatment up to 3 weeks before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	7.5
medium	7.5
fine	10

Incorporation Directions

Incorporate Finchimica Trifluralin GR-10 with a flexible tine-tooth harrow (Flextine or Melroe) set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Thorough incorporation requires two incorporation passes over the field in different directions. Incorporate one time within 24 hours after application. Make a second incorporation pass prior to planting and a minimum of 5 days after the first. Do not till the soil with a disc after Finchimica Trifluralin GR-10 has been incorporated with a flexible tine harrow.

Planting Directions: Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone into which Finchimica Trifluralin GR-10 has been incorporated.

Precaution: Do not plant wheat directly into the zone of soil treated with Finchimica Trifluralin GR-10 as crop injury (delayed emergence or stand reduction) may occur. Delayed emergence or slight stand reduction does not normally affect yield.

Winter Wheat -- Fallow Soil Application for Annual Grass Control Prior to Planting (for Use in Idaho, Oregon and Washington)

Apply and shallowly incorporate Finchimica Trifluralin GR-10 up to 4 months before planting to control cheatgrass and certain other annual grasses and broadleaf weeds during the fallow period and during the following growing season. Apply any time from May to September prior to fall planting of winter wheat.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	7.5
medium	7.5

fine	10
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Incorporation Directions

Incorporate Finchimica Trifluralin GR-10 with a flexible tine-tooth harrow (Flexline or Melroe) set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Thorough incorporation requires two incorporation passes over the field in different directions. Incorporate one time within 24 hours after application. Make a second incorporation pass prior to planting and a minimum of 5 days after the first. Do not till the soil with a disc after Finchimica Trifluralin GR-10 has been incorporated with a flexible tine harrow.

Planting Directions: Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone into which Finchimica Trifluralin GR-10 has been incorporated.

Precaution: Do not plant wheat directly into the zone of soil treated with Finchimica Trifluralin GR-10 as crop injury (delayed emergence or stand reduction) may occur. Delayed emergence or slight stand reduction does not normally affect yield.

Summer Fallow Weed Control Followed by Spring Seeded Wheat, Durum or Barley

Finchimica Trifluralin GR-10 may be applied to coarse, medium and fine textured soils for control of labeled weeds in the summer fallow period and for pigeongrass (foxtail) control in wheat, durum and barley seeded the following spring.

Finchimica Trifluralin GR-10 may be applied to standing stubble or land which has been fallowed or pre-tilled. Existing weeds, surface trash or crop litter should be reduced by tillage if present in quantities that will prevent uniform soil incorporation. The first incorporation is required within 24 hours after application. The second incorporation, a minimum of 5 days after the first, may occur in conjunction with tillage to destroy other weed growth during the remainder of the fallow year. During the fallow year, susceptible weeds may not be controlled until after the second incorporation.

Broadcast Application Rates/Acre:

Application Date	Finchimica Trifluralin GR-10	
	Areas with Less Than 10 inches Annual Rainfall (lb)	All Other Areas (lb)
Apr. 15 - Apr. 30	8.75	10
May 1 - May 31	8.75 - 7.5	10 - 8.75
June 1 - June 30	7.5 - 6.25	8.75 - 7.5
July 1 - July 31	6.25 - 5	7.5 - 6.25
Aug. 1 - Aug. 31	5	6.25 - 5

Where a rate range is shown, use the higher rate per acre during the early part of an application period and the lower rate per acre during the latter part of an application period.

Incorporation Directions

See information on incorporation and incorporation equipment at the beginning of the Small Grains section.

Seeding Directions: Wheat, durum or barley should be seeded approximately 1.5 inches deep.

Precaution: While use of this practice may result in a stand reduction, slight stand reductions do not normally affect yield.

Soybeans

Apply and incorporate Finchimica Trifluralin GR-10 granular herbicide in the spring prior to planting or in the fall in advance of spring planting. See instructions for fall application under Application Timing in the Product Information section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10	
	Spring ¹ Application (lb)	Fall ² Application (lb)
coarse	5	10
medium	7.5	10
fine	10	12.5

¹Spring application:

- Coarse and medium soils with 2-5% organic matter - 7.5 lb per acre
- Fine soils with 2 to 5% organic matter - 10 lb per acre
- All soils with 5 to 10% organic matter – 10 to 12.50 lb per acre

²Fall application use rates for soybeans grown in Alabama, Arkansas, Northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri (bootheel), North Carolina, Oklahoma, South Carolina, Tennessee and Texas. For soybeans grown in areas other than those listed above, fall apply Finchimica Trifluralin GR-10 at broadcast rates listed for spring preplant incorporated treatment.

Restriction: Do not fall apply Finchimica Trifluralin GR-10 in the fall to soils which are wet or subject to prolonged periods of flooding, or where rice was grown the previous year.

Overlay or Postemergence Applications Following Finchimica Trifluralin GR-10

For broader spectrum weed control, other products registered for use in soybeans may be applied as overlay or postemergence treatments following application of Finchimica Trifluralin GR-10. For products used following application of Finchimica Trifluralin GR-10, follow the manufacturer's label for additional weeds controlled, directions for use, precautions and use restrictions.

Special Use Program - Soybeans Grown Under Reduced or Conservation Tillage Conditions

Finchimica Trifluralin GR-10 can be applied either in the fall or in the spring as a preplant incorporated treatment for weed control in soybeans grown under reduced or conservation tillage practices. Make only one application per crop cycle.

Make applications to tilled land or standing or chopped stubble from the previous season's crop. Use incorporation equipment that thoroughly and uniformly mixes Finchimica Trifluralin GR-10 into the top 2 to 3 inches of the final seedbed and leaves a maximum amount of crop residue on the soil surface. Two incorporation passes are required. The first incorporation must occur within 24 hours after application. For fall application, incorporate once in the fall and a second time in the spring before planting. For best results with spring application, incorporate once within 24 hours after application and a second time at least 5 days later.

Broadcast Application Rates/Acre:

Soil Texture	Fall Application (lb)	Spring Application (lb)
coarse	7.5 - 10.0	5.0 - 7.5
medium	10.0 - 12.5	7.5 - 10.0
fine	12.5 - 15.0	10.0 - 12.5

Use the higher rate in the rate range where higher crop residues are present or where dense weed populations are anticipated.

Precautions: To be effective, Finchimica Trifluralin GR-10 must be mixed thoroughly in the top 2 to 3 inches of soil in the final seedbed. Weed control may be poor or erratic where soil conditions or heavy crop residues do not permit thorough soil mixing.

Sugar Beets

Apply and incorporate Finchimica Trifluralin GR-10 when sugar beets are 2 to 6 inches tall.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	6.25 - 7.5

Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Precautions: Cover exposed sugar beet roots with soil before applying Finchimica Trifluralin GR-10 to reduce the possibility of girdling. When incorporating, set equipment to move treated soil into the row. Set incorporation equipment carefully so as to prevent damage to sugar beet tap root.

Sugarcane

Apply and incorporate Finchimica Trifluralin GR-10 twice a year. Make the first application in the fall on firmly packed beds immediately after the seed pieces are planted. Make a second application in the spring before or shortly after the cane emerges. Loosen rain-packed beds 2 to 3 inches deep before spring application. Take care that incorporation equipment does not damage the seed pieces or emerging shoots.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
all soil textures	10 - 20

Application rate range may be adjusted according to weed pressure.

Applications Up to Lay-By for Plant Cane or Ratoon Cane (for Use in Louisiana and Texas)

Apply and incorporate Finchimica Trifluralin GR-10 in the spring from shortly before or after cane emergence until lay-by. Apply after beds have been shaved or false shaved. Loosen rain-packed beds 2 to 3 inches deep before application. Avoid incorporation equipment damage to seed pieces or emerging shoots. Incorporate with a rolling cultivator or bed chopper for all soil textures. Set rolling cultivator to cut 2 to 4 inches deep and operate at 6 to 8 mph. Set bed chopper to cut 3 to 4 inches deep and operate at 4 to 6 mph. Two incorporation passes are necessary.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
all soil textures	10 - 20

Application rate range may be adjusted according to weed pressure.

Itchgrass (Raoulgrass) Control (for Use in Louisiana)

Apply and incorporate Finchimica Trifluralin GR-10 on plant or ratoon cane. Follow use directions in preceding section for lay-by application.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
all soil textures	10 - 20

Application rate range may be adjusted according to weed pressure.

Tomato

For direct seeded tomatoes, apply Finchimica Trifluralin GR-10 at blocking or thinning to the soil between rows and beneath plants and incorporate. For transplant tomatoes, apply and incorporate prior to transplanting or broadcast apply post-transplant and incorporate.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5 - 10

- Coarse and medium soils with 2 to 5% organic matter - 7.5 lb product per acre
- Fine soils with 2 to 5% organic matter - 10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Tree and Vine Crops - Citrus, Stone Fruits, Nut Trees and Grapes**New Plantings of Citrus, Stone Fruits, and Nut Trees**

For new plantings of almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees, apply and incorporate Finchimica Trifluralin GR-10 granular herbicide before transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5
medium	6.25 - 7.5
fine	7.5

- All soils with 2 to 5% organic matter - 7.5-10 lb product per acre
- All soils with 5 to 10% organic matter - 10 lb product per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

New Plantings of Grapes

Apply and incorporate Finchimica Trifluralin GR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
coarse	5 - 7.5

medium	7.5 - 15
fine	15 - 20

- All soils with 2 to 10% organic matter – 15 to 20 lb per acre
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Restriction: Do not use more than 10 lb product (1 lb. ai) per acre on mist propagated grape rootings.

Pre-harvest Interval: Do not apply to vineyards within 60 days of harvest.

Established Non-Bearing and Bearing Citrus, Stone Fruits, Nut Trees, and Grapes

Finchimica Trifluralin GR-10 may be applied in established non-bearing and bearing vineyards and plantings of almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees. In established plantings, apply Finchimica Trifluralin GR-10 to the soil surface and incorporate using methods not injurious to the crop. Do not apply to vineyards within 60 days of harvest.

Broadcast Application Rates/Acre:

Soil Texture	Finchimica Trifluralin GR-10 (lb)
all soils	10 - 20

Use the higher rate in the rate range for longer term weed control.

CONDITION OF SALE

The label instructions and directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, soil composition, type of vegetation, presence of other materials, or the manner of use or application if not in accordance with label directions, all of which are beyond the control of Finchimica S.P.A., to the extent consistent with applicable law.

LIMITED WARRANTY AND DISCLAIMER

To the extent consistent with applicable law, Finchimica S.P.A. warrants that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use. Finchimica S.P.A. makes NO OTHER warranty of any kind with respect to the product.

To the extent consistent with applicable law, the warranty does not extend to use of this product contrary to the label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to Finchimica S.P.A. and buyer assumes the risk of any such use.

READ THE LABEL BEFORE USING

To the extent consistent with applicable law, Finchimica S.P.A. expressly disclaims all implied warranties of merchantability or fitness for a particular purpose, and no such warranties shall be implied or inferred.

Neither Finchimica S.P.A. nor any seller of this product makes, and their employees and agents are not permitted to make, any representations or warranties, express or implied by law, not specifically set forth herein.

Buyer assumes the risk to persons or property arising from the use or handling of this product, and ACCEPTS THE PRODUCT ON THAT CONDITION.

USES WITH OTHER PRODUCTS (TANK MIXES)

When tank mixing this product with other herbicides, all applicable directions, restrictions, and precautions for the additional herbicides must be followed. Use the most restrictive limitations stated on the product labels. Before initiating full tank mix application, evaluate the physical compatibility of the proposed mixture on a small scale of recommended spray mixture concentrations. Also, evaluate such mixtures for vegetation control before expanding commercial use.

LIMITATIONS OF LIABILITY AND DAMAGES

To the extent consistent with applicable law, the liability of Finchimica S.P.A. and any other seller for any loss or injury, whether based on negligence, breach of warranty, strict liability in tort, or any other cause of action, shall be limited to the purchase price of the product. Prompt notice of any claim must be given by the buyer to Finchimica S.P.A. within ninety days after the application of the product or ninety days after the first planting, whichever is later. Notify Finchimica S.P.A. at this address: Finchimica S.P.A. Via Lazio, 13, 25025 Manerbio (BS), ITA, ITALY.

To the extent consistent with applicable law, Finchimica S.P.A. and any other seller of the product shall not be liable, and any and all claims against Finchimica S.P.A. and any other seller are waived, for special, indirect, incidental, or consequential damages or expenses of any nature, including, but not limited to, loss of profits or income, and crop or property loss or damage, whether or not based on negligence, breach of warranty, strict liability in tort or any other cause of action.

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