Our line of seed treatment solutions includes multiple unique, ready-to-use combinations, making it easier than ever to select custom-fit protection to help grow stronger seedlings, better crop stands and healthier profits.

Nufarm.com/uscrop
## CEREAL SEED TREATMENT

### Sativa® / Salient™

#### INNOVATIVE SEED TREATMENT SOLUTIONS

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### Sativa® IM RTU

*EPA REG. NO.: 55146-111*

- **ACTIVE INGR.:** tebuconazole (4.8 g/l), metalaxyl (6.4 g/l), imidacloprid (6.0 g/l)
- **FORMULATION:** flowable
- **CHEM. FAMILY:** triazole, phenylamide, neonicotinoid
- **FRACIRAC NO.:** 3, 4 / 4A
- **SIGNAL WORD:** caution
- **PACKAGE SIZE:** 2.5 gal container (2 per case), 30 gal drum, 250 gal tote
- **COMPARE TO:** Raxil® MD W

**Sativa® IM RTU** gives you the convenience of proven disease protection and insecticidal activity. Compared to IM RTU for early-season protection against a broad spectrum of damaging cereal diseases, plus it gives you the added advantage of protection against wireworms.

**KEY PERFORMANCE BENEFITS**
- Protects seed and young seedlings against a variety of devastating diseases such as bunt, Septoria and rust
- Contains imidacloprid for suppression of wireworms
- Systemic activity to give seedings best chance for a strong start
- Convenient, easy-to-use formulation

**LABELED CROPS**
- Barley, oats, triticale, wheat

### Sativa® M2F RTU

*EPA REG. NO.: 55146-152*

- **ACTIVE INGR.:** tebuconazole (4.8 g/l), metalaxyl (12.8 g/l), fludioxonil (3.8 g/l), difenoconazole (19.2 g/l), imidacloprid (60 g/l)
- **FORMULATION:** flowable
- **CHEM. FAMILY:** triazole, phenylamide, neonicotinoid
- **FRAC NO.:** 3, 4 and 12
- **SIGNAL WORD:** caution
- **PACKAGE SIZE:** 2.5 gal container (2 per case), 30 gal drum, 250 gal tote
- **COMPARE TO:** proprietary formulation

**Sativa® M2F RTU** is a broad-spectrum fungicide premix seed treatment for wheat, barley and oat. It provides seed decay protection, smut activity, and control of Rhizoctonia spp. and Fusarium spp. Plus, Sativa M2F RTU has 2X the rate compared to Sativa IM RTU for excellent Pythium control.

**KEY PERFORMANCE BENEFITS**
- Convenient premix formulated from three proven actives
- Two fungicides for the control of Rhizoctonia and Fusarium
- 2X the rate compared to Sativa IM RTU for excellent Pythium control
- Controls and suppresses many common early-season diseases
- Protects against seed decay

**LABELED CROPS**
- Barley, oats, triticale, wheat

### Salient™ TMI

*EPA REG. NO.: 55146-159*

- **ACTIVE INGR.:** tebuconazole (4.2 g/l), metalaxyl (19.2 g/l), difenoconazole (37.2 g/l), imidacloprid (60 g/l)
- **FORMULATION:** flowable
- **CHEM. FAMILY:** triazole, phenylamide, neonicotinoid
- **FRACIRAC NO.:** 3, 4 / 4A
- **SIGNAL WORD:** caution
- **PACKAGE SIZE:** 2.5 gal container (2 per case), 30 gal drum, 250 gal tote, for custom blend
- **COMPARE TO:** proprietary formulation

**Salient™ TMI** deploys four actives to suppress and control seed- and soil-borne disease while controlling early-season seedling injury due to light to moderate wireworm pressure.

**KEY PERFORMANCE BENEFITS**
- Convenient tank mix is formulated with four proven actives
- Preventive and curative broad-spectrum disease control
- Controls soil-borne diseases and prevents seed decay
- Early-season control of moderate wireworm infestation

**LABELED CROPS**
- Barley, oats, triticale, wheat

### Sativa® IMF Sembolite MAX

*EPA REG. NO.: 55146-119*

- **ACTIVE INGR.:** tebuconazole (4.8 g/l), imidacloprid (20 g/l), metalaxyl (6.4 g/l), fludioxonil (3.84 g/l)
- **FORMULATION:** flowable
- **CHEM. FAMILY:** triazole, phenylamide, neonicotinoid
- **FRACIRAC NO.:** 3, 4, 12 / 4A
- **SIGNAL WORD:** warning
- **PACKAGE SIZE:** 2.5 gal container (2 per case), 30 gal drum, 250 gal tote
- **COMPARE TO:** proprietary formulation

**Salient IM RTU** gives you the convenience of proven disease protection and insecticidal activity. Compared to IM RTU for early-season protection against a broad spectrum of damaging cereal diseases, plus it gives you the added advantage of protection against wireworms.

**KEY PERFORMANCE BENEFITS**
- Protects seed and young seedlings against a variety of devastating diseases such as bunt, Septoria and rust
- Contains imidacloprid for suppression of wireworms
- Systemic activity to give seedings best chance for a strong start
- Convenient, easy-to-use formulation

**LABELED CROPS**
- Barley, oats, triticale, wheat

From seed decay through early-season insect and disease protection, Sativa® IMF Sembolite™ MAX contains three fungicides, imidacloprid insecticide and the nitrogen-management benefits of Sembolite to provide top performance in wheat and barley.

**KEY PERFORMANCE BENEFITS**
- Protects against seed decay caused by Aspergillus, Penicillium and other species
- Protects seed and young seedlings against many diseases such as root rots, Rhizoctonia, Fusarium, Pythium, and smuts
- Aphid, Hessian fly and wireworm control
- Systemic activity for a stronger start
- More consistent control than many common tank-mix solutions under high disease pressure
- Promotes strong root development and plant growth

**LABELED CROPS**
- Barley, oats, wheat

**KEY PESTS CONTROLLED**
- Early-season common root rot, early-season Fusarium foot rot, early-season Pythium damping-off, early-season Rhizoctonia root rot, early-season Septoria disease complex, early-season suppression of crown rust, powdery mildew, and wheat leaf rust, flag smut, loose smut, seed decay (caused by Aspergillus, Penicillium, and other species), stinking smut

**LABELS**
- Stinking smut (common bunt), Rhizoctonia root rot, Septoria, Septoria disease complex, Septoria leaf blotch*, stinking smut (common bunt), wheat leaf rust*

**INSECTS:** Wireworm suppression

**LABELS**
- (see label for complete list)

**NUTRIENT MANAGEMENT**

**INSECTICIDE**

**FUNGICIDE**

**PREMIUM**

**STANDARD**

**SATIVA® IM RTU**

**SATTIVA® M2F RTU**

**SALIENT™ TMI**

**SATIVA® IMF SSEMBOLITE MAX**

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This guide is intended to provide a product overview. See product labels for complete details and labeled use listing.
## Spirato M 185 FS

**EPA REG. NO.** 55146-118  
**ACTIVE INGR.** fludioxonil (25 g/l), metalaxyl (60 g/l), thiopepanate-methyl (100 g/l)  
**FORMULATION** flowable COLORED yes  
**CHEM. FAMILY** phenylpyrrole, phenylamide, thiophanate  
**FRAC NO.** 12 and 4  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 2.5 gal container (2 per case), 15 gal drum, 250 gal tote  
**COMPARE TO** proprietary formulation  

**KEY PERFORMANCE BENEFITS**  
- Fludioxonil protects seeds against Rhizoctonia and Fusarium  
- An elevated rate of metalaxyl provides both Pythium and Phytophthora control  
- Convenient to use formulation and packaging  

**LABELLED CROPS**  
- Cotton, rice*, seed and pod vegetables, soybeans  
*Not registered for use in California  

**KEY DISEASES CONTROLLED**  
- Damping-off and seed and seedling diseases (caused by Pythium, Phytophthora, Fusarium, and Rhizoctonia spp.), early-season soil- and seed-borne fungi which cause decay, damping-off, and seedling blights (including Pythium, Rhizoctonia, and Fusarium), seed-borne Sclerotinia and Phomopsis spp. (suppression)  
[see label for complete list]

## Spirato MTm 285 FS

**EPA REG. NO.** 55146-154  
**ACTIVE INGR.** fludioxonil (25 g/l), metalaxyl (60 g/l), thiopepanate-methyl (100 g/l)  
**FORMULATION** flowable COLORED yes  
**CHEM. FAMILY** phenylpyrrole, phenylamide, thiophanate  
**FRAC NO.** 12, 4 and 1  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 2.5 gal container (2 per case), 15 gal drum, 250 gal tote  
**COMPARE TO** proprietary formulation  

**KEY PERFORMANCE BENEFITS**  
- Fludioxonil protects seeds against Rhizoctonia and Fusarium  
- The elevated rate of metalaxyl provides both Pythium and Phytophthora control  
- Thiophanate-methyl works with fludioxonil for increased control and systemic disease protection  
- Convenient to use formulation and packaging  

**LABELLED CROPS**  
- Dry beans, soybeans, succulent (snap) beans  

**KEY DISEASES CONTROLLED**  
- Damping-off and seed and seedling diseases (caused by Pythium, Fusarium, and Rhizoctonia spp.), early-season soil- and seed-borne fungi which cause decay, damping-off, and seedling blights (including Pythium, Rhizoctonia, and Fusarium), seed-borne Sclerotinia and Phomopsis spp. (suppression)  
[see label for complete list]

## Spirato IMTm 348 FS

**EPA REG. NO.** 55146-153  
**ACTIVE INGR.** fludioxonil (9.6 g/l), metalaxyl (60 g/l), thiopepanate-methyl (39 g/l), imidacloprid (2.4 g/l)  
**FORMULATION** flowable COLORED yes  
**CHEM. FAMILY** phenylpyrrole, phenylamide, thiopepanate, neonicotinoid  
**FRAC/RAC NO.** 12, 4, 1, 4A  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 2.5 gal container (2 per case), 15 gal drum, 250 gal tote  
**COMPARE TO** proprietary formulation  

**KEY PERFORMANCE BENEFITS**  
- Fludioxonil protects seeds against Rhizoctonia and Fusarium  
- The elevated rate of metalaxyl provides both Pythium and Phytophthora control  
- Thiophanate-methyl works with fludioxonil for increased control and systemic disease protection  
- Imidacloprid, the most widely used insecticide in soybeans, provides early-season control of most foliar and soil insect pests  
- Convenient to use formulation and packaging  

**LABELLED CROPS**  
- Dry beans, soybeans, succulent (snap) beans  

**KEY PESTS CONTROLLED**  
- DISEASES: Damping-off and seed and seedling diseases (caused by Pythium, Phytophthora, Fusarium, and Rhizoctonia), seed-borne Sclerotinia and Phomopsis spp.
- STORED GRAIN INSECTS: Indian meal moth, lesser grain borer, red flour beetle, rice weevil
- EARLY SEASON INSECTS: Aphids, bean leaf beetle, grape colaspis, leafminers, leafhoppers, Mexican bean beetle, seed corn maggot, three-cornered alfalfa hopper, thrips, white grubs, wireworm
[see label for complete list]

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The registered blend in Spirato M 185 FS combines two fungicide chemistries to protect soybean, seed and pod vegetables, rice, and cotton crops. Spirato M 185 FS delivers the performance of a custom blend without the hassles or worry of product availability.  

## INNOVATIVE SEED TREATMENT SOLUTIONS

Premix products for soybeans

- **Soybean Disease Protection**  
  - **STANDARD PREMIX**  
    - **INSECTICIDE**  
      - SPIRATO® M 185 FS  
      - **FORMULATION** flowable  
      - **ACTIVE INGR.** fludioxonil (9.6 g/l), metalaxyl (60 g/l), thiopepanate-methyl (39 g/l), imidacloprid (2.4 g/l)  
      - **CHEM. FAMILY** phenylpyrrole, phenylamide, thiopepanate, neonicotinoid  
      - **FRAC/RAC NO.** 12, 4, 1, 4A  
      - **SIGNAL WORD** caution  
      - **PACKAGE SIZE** 2.5 gal container (2 per case), 15 gal drum, 250 gal tote  
      - **COMPARE TO** proprietary formulation  
      - **KEY DISEASES CONTROLLED**  
        - Damping-off and seed and seedling diseases (caused by Pythium, Phytophthora, Fusarium, and Rhizoctonia spp.), early-season soil- and seed-borne fungi which cause decay, damping-off, and seedling blights (including Pythium, Rhizoctonia, and Fusarium), seed-borne Sclerotinia and Phomopsis spp. (suppression)  
        - See label for complete list  

- **PREMIUM PREMIX**  
  - **INSECTICIDE**  
    - SPIRATO® MTm 285 FS  
    - **FORMULATION** flowable  
    - **ACTIVE INGR.** fludioxonil (25 g/l), metalaxyl (160 g/l), thiophanate-methyl (100 g/l)  
    - **CHEM. FAMILY** phenylpyrrole, phenylamide, thiophanate  
    - **FRAC NO.** 12 and 4  
    - **SIGNAL WORD** caution  
    - **PACKAGE SIZE** 2.5 gal container (2 per case), 15 gal drum, 250 gal tote  
    - **COMPARE TO** proprietary formulation  
    - **KEY DISEASES CONTROLLED**  
      - Damping-off and seed and seedling diseases (caused by Pythium, Fusarium, and Rhizoctonia spp.), early-season soil- and seed-borne fungi which cause decay, damping-off, and seedling blights (including Pythium, Rhizoctonia, and Fusarium), seed-borne Sclerotinia and Phomopsis spp. (suppression)  
      - See label for complete list  

- **PREMIUM PREMIX**  
  - **INSECTICIDE**  
    - SPIRATO® IMTm 348 FS  
    - **FORMULATION** flowable  
    - **ACTIVE INGR.** fludioxonil (25 g/l), metalaxyl (160 g/l), thiophanate-methyl (100 g/l), imidacloprid (2.4 g/l)  
    - **CHEM. FAMILY** phenylpyrrole, phenylamide, thiophanate, neonicotinoid  
    - **FRAC/RAC NO.** 12, 4, 1, 4A  
    - **SIGNAL WORD** caution  
    - **PACKAGE SIZE** 2.5 gal container (2 per case), 15 gal drum, 250 gal tote  
    - **COMPARE TO** proprietary formulation  
    - **KEY DISEASES CONTROLLED**  
      - Damping-off and seed and seedling diseases (caused by Pythium, Phytophthora, Fusarium, and Rhizoctonia), seed-borne Sclerotinia and Phomopsis spp.
      - STORED GRAIN INSECTS: Indian meal moth, lesser grain borer, red flour beetle, rice weevil
      - EARLY SEASON INSECTS: Aphids, bean leaf beetle, grape colaspis, leafminers, leafhoppers, Mexican bean beetle, seed corn maggot, three-cornered alfalfa hopper, thrips, white grubs, wireworm
      - See label for complete list
AS-50®

**EPA REG. NO.** 55146-98  
**ACTIVE INGR.** streptomycin (50%)  
**FORMULATION** flowable  
**COLORED** no  
**CHEM. FAMILY** glucopyranosyl  
**FRAC NO.** 25  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 25 lb drum  
**COMPARE TO** proprietary formulation

An important addition to bean management disease programs, AS-50® helps ensure maximum yield by protecting against halo blight. AS-50 dissolves easily in water for simplified mixing in slurry combinations. It offers excellent seed tolerance and is compatible with other seed treatments.

**KEY PERFORMANCE BENEFITS**
- Offers reliable, consistent control of halo blight
- Dissolves easily in water for simplified mixing in slurry combinations
- Compatible with NuFarm Sebring®, Senator® 600 FS and Signet® 480 FS as well as other seed-applied fungicides and insecticides
- Excellent seed tolerance

**Labeled Crops**
- Beans (seed protection)

**KEY DISEASES CONTROLLED**
- Halo blight (see label for complete list)

Salient™ 372 FS

**EPA REG. NO.** 55146-148  
**ACTIVE INGR.** difenoconazole (372 g/l)  
**FORMULATION** flowable  
**COLORED** no  
**CHEM. FAMILY** triazole  
**FRAC NO.** 3  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 1 gal container (4 per case), 15 gal drum, 250 gal tote, for custom blend  
**COMPARE TO** Dividend® 3.1

Salient™ 372 FS works through systemic action to provide both preventive and curative protection against many seed- and soil-borne diseases including Fusarium, Rhizoctonia, seed rots and dwarf bunt. Salient 372 FS is an ideal seed treatment choice for cereal, cotton, sweet corn and potatoes.

**KEY PERFORMANCE BENEFITS**
- Provides broad-spectrum disease control, works through systemic action
- Controls many seed- and soil-borne diseases
- Difenoconazole, the active ingredient in Salient 372 FS Seed Treatment, delivers proven performance against dwarf bunt in wheat

**Labeled Crops**
- Barley, canola*, cotton, oats*, potatoes*, rye*, sweet corn, triticale, wheat (spring, winter)

*Not registered for use in California

**KEY DISEASES CONTROLLED**
- Common bunt, common seed and root rots, covered smut, damping-off, dwarf bunt, flag smut, Fusarium seed scab, loose smut, seed-borne Septoria (see label for complete list)

Sativa® 309 FS

**EPA REG. NO.** 55146-101  
**ACTIVE INGR.** tebuconazole (309 g/l)  
**FORMULATION** flowable  
**COLORED** no  
**CHEM. FAMILY** triazole  
**FRAC NO.** 3  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 1 gal container (4 per case), 30 gal drum, 250 gal tote, for custom blend  
**COMPARE TO** Raxil® 2.6 F

Sativa® 309 FS contains tebuconazole for excellent control of many seed- and soil-borne diseases in corn, wheat, barley, triticale and oats. It protects against diseases such as smuts, root rots and early-season leaf diseases. It can be used alone or with other seed treatment products.

**KEY PERFORMANCE BENEFITS**
- Unsurpassed defense against yield-robbing seed- and soil-borne diseases
- Excellent crop safety
- Good tank-mix compatibility
- Low use rates

**Labeled Crops**
- Barley, corn (field corn, field corn grown for seed, popcorn, sweet corn), oats, triticale, wheat

**KEY DISEASES CONTROLLED**
- Covered smut, early-season common root rot, early-season Fusarium foot rot, early-season Rhizoctonia root rot, early-season Septoria disease complex, flag smut, loose smut, Pythium damping-off, soil- and seed-borne Fusarium, soil- and seed-borne head smut (Sphacelotheca reilianis), stinking smut (see label for complete list)

Sebring® 318 FS

**EPA REG. NO.** 55146-107  
**ACTIVE INGR.** metalaxyl (318 g/l)  
**FORMULATION** flowable  
**COLORED** no  
**CHEM. FAMILY** phenylamide  
**FRAC NO.** 4  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 1 gal container (4 per case), 30 gal drum, 250 gal tote, for custom blend  
**COMPARE TO** Allegiance® FL

Sebring® 318 FS contains metalaxyl and works systemically to protect the seed, roots and emerging plants against systemic downy mildew, Pythium spp. and Phytophthora spp. Plus, it can be used alone or in combination with other seed treatment products for optimum flexibility.

**KEY PERFORMANCE BENEFITS**
- Proven seed protection with excellent control of yield-robbing diseases
- Systemic protection for early planted crops
- Can help produce more uniform stands and healthier, more vigorous plants
- Flexible tank-mix options

**Labeled Crops**
- Beets, canola*, carrots*, cotton, cucumbers*, grain crops (barley, corn, millet, oats, rye, triticale, wheat), peanuts*, rice*, sorgum*, soybeans*, spinach*, sunflowers

*Not registered for use in California

**KEY DISEASES CONTROLLED**
- Pythium spp., Phytophthora spp., systemic downy mildews (see label for complete list)
Sebring® 480 FS

Sebring® 480 FS works systematically to protect all parts of the plant during germination. It offers excellent control of select diseases, such as downy mildew, Pythium spp. and Phytophthora spp. and may be combined with other seed treatment products for optimum flexibility.

**KEY PERFORMANCE BENEFITS**
- Protects a broad range of crops against Pythium spp., Phytophthora spp. and systemic downy mildew to help increase stands.
- Can be applied stand-alone or in combination with other fungicides.
- Systemic control activity to reach throughout growing plants.
- Economical value.

**EPA REG. NO.** 55146-106
**ACTIVE INGR.** metalaxyl (480 g/l)
**FORMULATION** flowable COLORED no
**CHEM. FAMILY** phenylamide
**FRAC NO.** 4
**SIGNAL WORD** caution
**PACKAGE SIZE** 1 gal container (4 per case), 30 gal drum, 250 gal tote, for custom blend

**COMPARE TO** proprietary formulation

Labeled Crops:
- Beets (garden, sugarbeets), canola*, mustard seed*, rappedseed*, carrots*, cotton, cucumbers*, forage grasses, forage legumes, grains, barley, buckwheat, corn (field corn, sweet corn and popcorn), millet, milo, oats, rye, triticale, and wheat, peas and rice*, seed and pod vegetables, sorghum, soybeans, spinach*, sunflowers.
- *Not registered for use in California.

**KEY DISEASES CONTROLLED**
- Pythium spp., Phytophthora spp., systemic downy mildews.

(see label for complete list)

Sembolite™

Sembolite™ is a nutrient management additive that optimizes nitrogen utilization. As a highly soluble seed treatment it can improve plant and root growth, flowering and fruit set that leads to better quality and yield.

**EPA REG. NO.** non-regulated
**ACTIVE INGR.** K₂O (1.0%), Zn (0.1%), Mn (0.1%)
**FORMULATION** liquid COLORED no
**CHEM. FAMILY** inorganic salts
**GROUP NO.** N/A
**SIGNAL WORD** caution
**PACKAGE SIZE** for custom blend

**COMPARE TO** proprietary formulation

**KEY PERFORMANCE BENEFITS**
- Encourages strong root development and plant growth.
- Better crop development, fruit set, quality and yield.
- Highly soluble forms for easier plant uptake.
- Compatible with most common seed treatments.

Labeled Crops:
- All crops including: barley, canola, corn, cotton, rice, soybeans, sugar beets, wheat.

(see label for complete list)

Senator® 600 FS

Senator® 600 FS seed-applied insecticide provides unbeatable protection. It starts working on contact to protect the roots. And with its systemic activity, it keeps protecting young plants to help ensure a good stand. Plus, Senator offers the seed safety needed for proper crop emergence.

**EPA REG. NO.** 228-522
**ACTIVE INGR.** imidacloprid (600 g/l)
**FORMULATION** flowable COLORED no
**CHEM. FAMILY** neonicotinoid
**IRAC NO.** 4A
**SIGNAL WORD** caution
**PACKAGE SIZE** 1 gal container (4 per case), 2.5 gal container (2 per case), 30 gal drum, 250 gal tote, for custom blend

**COMPARE TO** Gauch° 600 F

**KEY PERFORMANCE BENEFITS**
- Systemic protection against pests such as wireworms, seed corn maggots, seed corn beetles and corn rootworm.
- Extended control of foliar pests including aphids, leaf beetles, chinch bugs and thrips.
- Safe to seeds and seedlings.
- Can help improve stands and yield.
- Low use rates.

Labeled Crops:
- barley, carrot, corn, cotton, oats, oil seed crops, rye, seed-and-pod vegetable seed, sorghum, soybeans, sugar beets, triticale, wheat.

(see label for complete list)

Signet® 480 FS

Count on Signet® 480 FS for control of seed decay, damping-off and seedling blights caused by many seed- and soil-borne organisms. Signet 480 FS helps get your crop off to its best start by reducing devastating loss from early-season diseases to help improve your return on investment.

**EPA REG. NO.** 45728-26-55146
**ACTIVE INGR.** thiram (480 g/l)
**FORMULATION** flowable COLORED no
**CHEM. FAMILY** dithiocarbamate
**FRAC NO.** M3
**SIGNAL WORD** caution
**PACKAGE SIZE** 2.5 gal container (2 per case), 30 gal drum, 266 gal tote, for custom blend

**COMPARE TO** 42-S Thiram®

**KEY PERFORMANCE BENEFITS**
- Preventive and curative activity against seed- and soil-borne organisms.
- Can help increase stand and maximize yield by reducing loss from seed decay, damping-off and seedling blights.
- Excellent seed safety.
- High-quality formulation for convenient application.

Labeled Crops:
- Barley, beans and peas, beets, broccoli, brussel sprouts, cabbage, canola, cantaloupe, carrot, cauliflower, collards, corn (field, sweet), cotton, cucumber, eggplant, flax, grasses, kale, lettuce, millet, mustard, oats, onion, ornamental flower seed, peanuts, pepper, pumpkins, radish, rice, rye, safflower, small seed legume, sorghum, spinach, squash, sunflower, tomato, triticale, wheat and all other vegetable seeds.

(see label for complete list)

**KEY DISEASES CONTROLLED**
- Seed decay, damping-off, seedling blights (caused by many seed- and soil-borne fungi).

(see label for complete list)
**SorPro™ 940 ES**

- **ACTIVE INGR.**: thiophanate-methyl (540 g/l)
- **FORMULATION**: emulsifiable
- **CHEM. FAMILY**: benzocetonitriile
- **EPA REG. NO.**: non-regulated
- **FRAC NO.**: N/A
- **PACKAGE SIZE**: 1 gal container (4 per case), 30 gal drum

**KEY PERFORMANCE BENEFITS**
- Protects seed and emerging plant from decay, damping-off and seedling blight caused by common seed-borne and soil-borne fungi.
- Provides excellent protection at very low rates.
- Low use rates allow room for other materials (such as inoculants) to be applied to the seed.
- Excellent seed and crop safety.

**LABELED USES**
Prevents sorghum seed injury from metolachlor or S-metolachlor herbicides (see label for complete list).

**LABELED CROPS**
- Cotton
- Barley, bulb vegetables, corn, cotton, cucurbits, fruiting vegetables, herbs and spices, leafy vegetables, legumes, oats, peanuts, rice, sorghum, sunflower, wheat

**KEY DISEASES CONTROLLED**
- Cotton
- Soybeans, dry beans and cucurbits, fruiting vegetables, herbs and spices, leafy vegetables, legumes, oats, peanuts, rice, sorghum, sunflower, wheat
- Barley, bulb vegetables, corn, cotton, cucurbits, fruiting vegetables, herbs and spices, leafy vegetables, legumes, oats, peanuts, rice, sorghum, sunflower, wheat

**ST-Methyl 540 FS**

- **ACTIVE INGR.**: thiophanate-methyl (540 g/l)
- **FORMULATION**: flowable
- **CHEM. FAMILY**: thiophanate
- **EPA REG. NO.**: 55146-127
- **FRAC NO.**: 1
- **PACKAGE SIZE**: 1 gal container (4 per case), 30 gal drum, 250 gal tote, for custom blend
- **COMPARABLE TO**: proprietary formulation

**KEY PERFORMANCE BENEFITS**
- Offers systemic, broad-spectrum disease protection in soybeans, dry beans and wheat.
- Helps improve stands and encourages stronger, healthier roots.
- Enhances performance of other fungicides in tough-to-control situations, especially for Rhizoctonia and Fusarium.
- Proven chemistry worldwide.
- Seed-safe formulation that mixes well with other seed protectants.

**LABELED CROPS**
- Dry beans, peanuts, snap beans, soybeans, wheat

**KEY DISEASES CONTROLLED**
- Seed decay (such as Aspergillus spp., Phomopsis spp., Fusarium spp.), seedling blight (soil-borne Fusarium spp. and Rhizoctonia spp.), seed-borne Sclerotinia spp. (see label for complete list)

**Spera™ 240 FS**

- **ACTIVE INGR.**: fludioxonil (480 g/l)
- **FORMULATION**: flowable
- **CHEM. FAMILY**: triazole
- **EPA REG. NO.**: 55146-116
- **FRAC NO.**: 3
- **PACKAGE SIZE**: 2.5 gal container (2 per case), 260 gal tote, for custom blend
- **COMPARABLE TO**: NuFlow® M

**KEY PERFORMANCE BENEFITS**
- Protects seed and emerging plant from decay, damping-off and seedling blight caused by common seed-borne and soil-borne fungi.
- Provides excellent protection at very low rates.
- Low use rates allow room for other materials (such as inoculants) to be applied to the seed.
- Excellent seed and crop safety.
- Formulation compatible with other products in the slurry mixture.
- Labeled for use on a wide variety of crops

**LABELED USES**
- Prevents sorghum seed injury from metolachlor or S-metolachlor herbicides (see label for complete list)
- Cotton
- Barley, bulb vegetables, corn, cotton, cucurbits, fruiting vegetables, herbs and spices, leafy vegetables, legumes, oats, peanuts, rice, sorghum, sunflower, wheat

**Spirato® 480 FS**

- **ACTIVE INGR.**: fludioxonil (480 g/l)
- **FORMULATION**: flowable
- **CHEM. FAMILY**: phenyl/pyrrole
- **EPA REG. NO.**: 55146-116
- **FRAC NO.**: 12
- **PACKAGE SIZE**: 1 qt container (4 per case), 1 gal container (4 per case), 15 gal drum, for custom blend
- **COMPARABLE TO**: Maxim® 4 FS

**KEY PERFORMANCE BENEFITS**
- Protects against decay, damping-off and seedling blight caused by common seed-borne and soil-borne fungi.
- Provides excellent protection at very low rates.
- Low use rates allow room for other materials (such as inoculants) to be applied to the seed.
- Excellent seed and crop safety.
- Formulation compatible with other products in the slurry mixture.
- Labeled for use on a wide variety of crops

**LABELED USES**
- Prevents sorghum seed injury from metolachlor or S-metolachlor herbicides (see label for complete list)
- Cotton
- Barley, bulb vegetables, corn, cotton, cucurbits, fruiting vegetables, herbs and spices, leafy vegetables, legumes, oats, peanuts, rice, sorghum, sunflower, wheat

**Spera™ 240 FS**

- **ACTIVE INGR.**: myclobutanil (480 g/l)
- **FORMULATION**: flowable
- **CHEM. FAMILY**: triazole
- **EPA REG. NO.**: 55146-103
- **FRAC NO.**: 1
- **PACKAGE SIZE**: 15 gal drum, for custom blend
- **COMPARABLE TO**: Maxim® 4 FS

**KEY PERFORMANCE BENEFITS**
- Protects seed and emerging plant from decay, damping-off and seedling blight caused by common seed-borne and soil-borne fungi.
- Provides excellent protection at very low rates.
- Low use rates allow room for other materials (such as inoculants) to be applied to the seed.
- Excellent seed and crop safety.
- Formulation compatible with other products in the slurry mixture.
- Labeled for use on a wide variety of crops

**LABELED USES**
- Prevents sorghum seed injury from metolachlor or S-metolachlor herbicides (see label for complete list)
- Cotton
- Barley, bulb vegetables, corn, cotton, cucurbits, fruiting vegetables, herbs and spices, leafy vegetables, legumes, oats, peanuts, rice, sorghum, sunflower, wheat

**KEY DISEASES CONTROLLED**
- Seed decay, damping-off, seedling blight (caused by seed-borne and soil-borne fungi) (see label for complete list)

**Spera™ 240 FS**

- **ACTIVE INGR.**: thiophanate (540 g/l)
- **FORMULATION**: emulsifiable
- **CHEM. FAMILY**: benzocetonitriile
- **EPA REG. NO.**: 55146-127
- **FRAC NO.**: N/A
- **PACKAGE SIZE**: 1 gal container (4 per case), 30 gal drum, 250 gal tote, for custom blend
- **COMPARABLE TO**: proprietary formulation

**KEY PERFORMANCE BENEFITS**
- Contains thiophanate, the top performer in sorghum safening of metolachlor or S-metolachlor herbicides.
- Equivalent crop safety and safening activity to Concep® III.
- Familiar use rate of 0.64 fl oz/100 lb seed (400 50-lb units/gallon).
- Convenient 4 x 1 gallon pack size, easy-to-use liquid formulation.
- Persists on carried over seed.
- Good plantability of treated seed.

**LABELED USES**
- Prevents sorghum seed injury from metolachlor or S-metolachlor herbicides (see label for complete list)
- Cotton
- Barley, bulb vegetables, corn, cotton, cucurbits, fruiting vegetables, herbs and spices, leafy vegetables, legumes, oats, peanuts, rice, sorghum, sunflower, wheat

**KEY DISEASES CONTROLLED**
- Seed decay, damping-off, seedling blight (caused by seed-borne and soil-borne fungi) (see label for complete list)
Trunemco™ is a new nematode seed treatment solution that helps soybean, cotton, and corn crops thrive. This patented technology primes plant physiology, activating its defense system for superior broad-spectrum protection against nematode invasion. This biochemical and microbial solution is proven to provide higher yield profiles and application convenience—the kind that can make a true difference.

**EPA REG. NO.** 55146-162  
**ACTIVE INGR.** cis-Jasmone, Bacillus (amyloliquefaciens strain MBI 600)  
**FORMULATION** seed-applied flowable  
**MODE OF ACT.** induced systemic resistance, protective colonization  
**SIGNAL WORD** caution*  
**APPLICATION** low rate 0.3 fl oz per 100 lb

**KEY PERFORMANCE BENEFITS**  
- New patented technology for broad-spectrum nematode protection  
- Biochemical primes plant physiology, activating its defenses  
- Microbial protection supports root health and seedling vigor  
- Demonstrates superior damage control and higher yield profile

**KEY PESTS CONTROLLED**  
SOYBEAN NEMATODE PESTS: Reniform nematode, root knot nematode, soybean cyst nematode  
COTTON NEMATODE PESTS: Columbia lance nematode, reniform nematode, root knot nematode  
CORN NEMATODE PESTS: Dagger nematode, lance nematode, needle nematode, pin nematode, ring nematode, root knot nematode, root lesion nematode, spiral nematode, sting nematode, stubby root nematode, stunt nematode (see label for complete list)

**LABELED CROPS**  
Soybean, cotton, corn

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Trunemco™ is a new nematode seed treatment solution that helps soybean, cotton, and corn crops thrive. This patented technology primes plant physiology, activating its defense system for superior broad-spectrum protection against nematode invasion. This biochemical and microbial solution is proven to provide higher yield profiles and application convenience—the kind that can make a true difference.

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TREAT SEED RIGHT.

Seed-applied plant protection products from Nufarm shield vulnerable seed, roots and emerging plants from devastating early-season disease and insect pests. Seed armored with proven fungicides and insecticides such as Sativa®, Sebring®, Spirato® and Senator® result in stronger seedlings and a better crop stand. But it takes more than exceptional products to produce exceptional yield. That’s why Nufarm also offers unsurpassed Customer Service, Sales and Technical Support teams.