7969-306 2/14/2014 1/19

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

FEB 14 2014

Khalid H. Akkari, Ph.D.
BASF Corporation
26 Davis Drive
P.O. Box 13528
Research Triangle Park, NC 27709-3528

Subject: Label Amendment – New Food Crop Uses
EPA Registration No.: 7969-306
Imbrex™ Xemium® Brand Fungicide
D#: 466680
Your submission dated June 15, 2012

Dear Dr. Akkari:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

At your next label printing, or within eighteen (18) months, whichever comes first, you must incorporate this supplemental labeling into the main product labeling. Two (2) copies of the final printed label must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

If you have any questions, please contact Olga Odiott at (703) 308-9369.

Sincerely,

Michael Walsh
Acting Product Manager 13
Insecticide Branch
Registration Division (7505P)

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Group	7	Fungicide

Supplemental Label

Imbrex™

XEMIUM® BRAND FUNGICIDE

For disease control in the following crops: berries and small fruits, Brassica leafy vegetables, bulb vegetables, cucurbit vegetables, grapes, leafy vegetables, rice, root vegetables, sorghum and millet, strawberries, sugarcane, and tree nuts

This supplemental label expires on September 30, 2016 and must not be used or distributed after this date.

Powered by Xemium® fungicide

Active Ingredient:

fluxapyroxad*: 1*H*-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-	5.96%
Other Ingredients:	94.04%
Total:	100.00%

* Equivalent to 0.52 pound of active ingredient per gallon

ACCEPTED
FEB 14 2014
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide Registered under EPA Reg. No. 7969-306

EPA Reg. No. 7969-306

Environmental Hazards

This pesticide is toxic to fish. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater.

This product is classified as having high potential for reaching aquatic sediment via runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of this active ingredient or its degradates from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Groundwater Advisory

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Directions For Use

- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- The supplemental labeling and the entire **Imbrex™ Xemium® brand fungicide** container label, EPA Reg. No. 7969-306, must be in possession of the user at the time of application.
- Read the label affixed to the container for **Imbrex** before applying.
- Use of **Imbrex** according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Imbrex**.

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

BASF
The Chemical Company

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Restrictions and Limitations

Crop Rotation Restriction - Barley, berries and small fruits, Brassica leafy vegetables, bulb vegetables, corn (all types), cotton, cucurbit vegetables, dried shelled peas and beans, edible-podded legume vegetables, fruiting vegetables, grapes, leafy vegetables, millet, oat, oilseed crops (including flax seed, rapeseed and sunflower), peanut, pome fruits, rice, root vegetables, rye, sorghum, soybean, stone fruits, strawberries, succulent shelled peas and beans, sugar beet, sugarcane, tree nuts, tuberous and corm vegetables (including potato), and wheat and triticale may be planted immediately following the last application. For all other crops, **DO NOT** plant sooner than 365 days after the last application.

Application Instructions

Apply **Imbrex™ Xemium® brand fungicide** according to the rate, timing, and resistance management use instructions in the **Crop-specific Directions** in this label. Observe the additional instructions on application methods, additive use and mixing order on the **Imbrex** main label.

Table 1. Imbrex™ Xemium® brand fungicide Restrictions and Limitations Overview*

Crop**	Minimum Time from Application to Harvest (PHI) (days)	Maximum Product Rate per Acre per Application (fl ozs)	Maximum Number of Applications per Season	Maximum Number of Sequential Applications	Maximum Product Rate per Acre per Season (fl ozs)
Berries and small fruits subgroups	0, 14	43.9	3	2	131.7
Brassica leafy vegetables group	3	21.9	3	2	65.7
Bulb vegetables group	7	43.9	3	2	131.7
Cucurbit vegetables group	0	21.9	3	2	65.7
Grapes – Botrytis disease	14	44	3	2	132
Grapes – all other diseases	14	22	6	2	132
Leafy vegetables group (except Brassica)	1	43.9	3	2	131.7
Rice	28	32.9	2	2	65.8
Root vegetables (except sugar beet) subgroup	7	21.9	3	2	65.7
Sorghum and millet	21	21.9	2	2	43.8
Strawberries	0	43.9	3	2	131.7
Sugarcane	14	27.4	2	2	54.8
Tree nuts group	14	27.4	3	2	82.2

*See **Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions** for additional directions.

For a complete list of crops within a crop group, see **Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Berries and small fruits subgroups* **Bushberry subgroup** Blueberry* (highbush and lowbush) Currant Elderberry Gooseberry Huckleberry **Caneberry subgroup** Blackberry (all varieties) Loganberry Raspberry (black and red) Wild raspberry **Low growing berry subgroup** Bearberry Bilberry Cloudberry Lingonberry Muntries Partridgeberry	Alternaria leaf spot and fruit rot (*Alternaria* spp.) Botrytis gray mold (*Botrytis cinerea*) Leaf spot and blotch (*Mycosphaerella* spp., (*Septoria* spp.) Monilinia blight and mummy berry (*Monilinia* spp.) Phomopsis leaf spot, twig blight, and fruit rot (*Phomopsis* spp.) Powdery mildew (*Sphaerotheca* spp., *Microshaera* spp., *Oidium* spp.) Spur blight (*Didymella* spp., *Phoma* spp.) **Suppression Only:** Rust (*Puccianiastrum* spp., *Arthuriomyces* spp., *Phragmidium* spp., *Kuehneola* spp.)	16.4 to 43.9	3	131.7	0 (bushberry, caneberry, and low growing berry)
Small fruit vine climbing subgroup, (except fuzzy kiwifruit) Amur river grape Gooseberry Kiwifruit, hardy Maypop Schisandra berry					14 (small fruit vine climbing)

Application Directions. Begin applications of **Imbrex** prior to onset of disease development and continue on a 7 to 14 day interval. Use the shorter interval and/or the higher rate when disease pressure is high.

DO NOT apply **Imbrex** to any crops in the Berries and Small Fruits subgroups, including blueberries (highbush and lowbush), as a tank mix with any other pesticide products (including fungicides, insecticides, herbicides), adjuvants, liquid fertilizers, nutrients, any other additives, or anything other than water.

Mix **Imbrex** with water only for applications to crops listed in the Berries and Small Fruits subgroups.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 131.7 fl ozs of **Imbrex** per acre per season. **DO NOT** apply more than three (3) applications of **Imbrex** per season.

DO NOT make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

(continued)

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Brassica leafy vegetables group* **Head and stem** Broccoli Broccoli, Chinese Brussels sprouts Cabbage Cabbage, Chinese Cabbage, Chinese mustard Cauliflower Cavalo broccolo Kohlrabi **Leafy greens** Broccoli raab Chinese cabbage (bok choy) Collards Kale Mizuna Mustard greens Mustard spinach Rape greens	Alternaria leaf spot (*Alternaria* spp.) Black leg (*Phoma lingan*) Cercospora leaf spot (*Cercospora brassicicola*) Powdery mildew (*Erysiphe polygoni*) Rhizoctonia blight (*Rhizoctonia solani*) Ring spot (*Mycosphaerella brassicicola*) White leaf spot (*Pseudocercosporella capsellae*) **Suppression Only:** Sclerotinia stem rot (*Sclerotinia sclerotiorum*) Southern blight (*Sclerotium rolfsii*)	16.4 to 21.9	3	65.7	3

Application Directions. Begin applications of **Imbrex** prior to onset of disease development and continue on a 7 to 14 day interval. Use the shorter interval and/or the higher rate when disease pressure is high.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 65.7 fl ozs of **Imbrex** per acre per season. **DO NOT** apply more than three (3) applications of **Imbrex** per season.

DO NOT make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Bulb vegetables group*	Powdery mildew (*Leveillula taurica*)	16.4 to 43.9	3	131.7	7
Chive, fresh leaves Chive, Chinese, fresh leaves Daylily, bulb Elegans hosta Fritillaria, bulb Fritillaria, leaves Garlic, bulb Garlic, great-headed, bulb Garlic, serpent, bulb Kurrat Lady's leek Leek Leek, wild Lily, bulb Onion, Beltsville bunching Onion, bulb Onion, Chinese, bulb Onion, fresh Onion, green Onion, macrostem Onion, pearl Onion, potato, bulb Onion, tree, tops Onion, Welsh, tops Shallot, bulb Shallot, fresh leaves	Purple blotch and leaf blight (*Alternaria porri*) Rust (*Puccinia porri*) Stemphylium leaf blight and stalk rot (*Stemphylium vesicarium*)				
	Botrytis leaf blight (*Botrytis* spp.) Botrytis neck rot (*Botrytis* spp.)	21.9 to 43.9			

Application Directions. Begin applications of **Imbrex** prior to onset of disease development and continue on a 7 to 14 day interval. Use the shorter interval and/or the higher rate when disease pressure is high.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 131.7 fl ozs of **Imbrex** per acre per season. **DO NOT** apply more than three (3) applications of **Imbrex** per season.

DO NOT make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Cucurbit vegetables group*	Alternaria leaf blight (*Alternaria cucumerina*)	16.4 to 21.9	3	65.7	0
Chayote Chinese waxgourd Citron melon Cucumber Gherkin Pumpkin Watermelon	Powdery mildew (*Podosphaera* spp., *Sphaerotheca* spp., *Erysiphe* spp.,)				
	Cercospora leaf spot (*Cercospora citrulina*)	21.9			
Edible gourd Hyotan Cucuzza Chinese okra	Gummy stem blight (*Didymella bryoniae*)				
	Microdochium blight (*Plectosporium tabacinum*)				
***Momordica* spp.** Balsam apple Balsam pear Bitter melon Chinese cucumber	Target leaf spot (*Corynespora cassiicola*)				
Muskmelon Cantaloupe Casaba Crenshaw melon Golden pershaw melon Honeydew melon Honey balls Mango melon Persian melon Pineapple melon Santaclaus melon Snake melon					
Summer squash Crookneck squash Scallop squash Straightneck squash Vegetable marrow Zucchini					
Winter squash Butternut squash Calabaza Hubbard squash Acorn squash Spaghetti squash					

(continued)

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Cucurbit vegetables group, *continued*

Application Directions. For optimal disease control, begin applications of **Imbrex** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high.

DO NOT apply **Imbrex** to any crops in the Cucurbit Vegetables Group as a tank mix with any other pesticide products (including fungicides, insecticides, herbicides), adjuvants, liquid fertilizers, nutrients, any other additives, or anything other than water.

Mix **Imbrex** with water only for applications to crops listed in the Cucurbit Vegetables Group.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 65.7 fl ozs of **Imbrex** per acre per season. **DO NOT** make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide. In areas where gummy stem blight resistance to **Group 7** fungicides have been confirmed, tank mix with chlorothalonil at full label rates and adhering to all label precautions.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Grapes*	Powdery mildew (*Erisyphe necator*)	16.4 to 22	6	132	14
	Black rot (*Guignardia bidwellii*)	22			
	Botrytis gray mold (*Botrytis cinerea*) Aids in control: Summer bunch rot (*Aspergillus* spp., *Alternaria* spp., *Botrytis* spp., *Cladosporium* spp., *Penicillium* spp., *Rhizopus* spp.)	44	3		

Application Directions. **For powdery mildew control,** begin applications of **Imbrex** as of bud break or prior to onset of disease. When using 16.4 fl ozs per acre, continue on a 10 to 14 day interval. Longer spray intervals for powdery mildew control may be possible with higher rates of **Imbrex**. The effectiveness of longer spray intervals will depend on the current powdery mildew infection level in the field, the amount of disease pressure after application and factors such as crop growth stage and rate of growth.

For black rot control, begin applications of **Imbrex** before pre-bloom and continue on a 10 to 14 day interval.

Begin applications targeted against **Botrytis gray mold** prior to disease development when conditions favor disease development during early bloom, bunch preclosure and veraison. Use the higher rates from bunch preclosure to veraison. Use shorter intervals when disease pressure is high.

For all other diseases listed, begin applications of **Imbrex** prior to onset of disease development and continue on a 10 to 14 day interval. Use the higher rate and shorter interval when disease pressure is high.

DO NOT apply **Imbrex** to Grapes as a tank mix with any other pesticide products (including fungicides, insecticides, herbicides), adjuvants, liquid fertilizers, nutrients, any other additives, or anything other than water.

Mix **Imbrex** with water only for application to Grapes.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 132 fl ozs of **Imbrex** per acre per season. **DO NOT** make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Leafy vegetables group* (except Brassica) Amaranth Arugula Cardoon Celery Celery, Chinese Celtuce Chervil Chrysanthemum (edible-leaved and garland) Corn salad Cress (garden and Upland) Dandelion Dock Endive Fennel, Florence Lettuce (head and leaf) Orach Parsley Purslane (garden and winter) Radicchio (red chicory) Rhubarb Spinach Spinach (New Zealand and vine) Swiss chard	Alternaria leaf spot (*Alternaria* spp.) Ascochyta leaf spot (*Ascochyta* spp.) Cercospora leaf spot (*Cercospora* spp.) Phoma (*Phoma* spp.) Powdery mildew (*Erysiphe* spp., *Phyllactinia* spp., *Sphaerotheca* spp.) Rust (*Puccinia* spp., *Uromyces* spp.) Septoria leaf spot (*Septoria* spp.)	16.4 to 43.9	3	131.7	1
	Botrytis rot (*Botrytis* spp.) Lettuce drop caused by *Sclerotinia minor* **<u>Suppression Only:</u>** Lettuce drop caused by *Sclerotinia sclerotiorum*	21.9 to 43.9			

(continued)

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Leafy vegetables group, *continued*

Application Directions. Begin applications of **Imbrex** prior to onset of disease development and continue on a 7 to 14 day interval. Use the shorter interval and/or the higher rate when disease pressure is high.

Tank Mix Restrictions
Spinach (all varieties). DO NOT apply **Imbrex** to spinach as a tank mix with any other pesticide products (including fungicides, insecticides, herbicides), adjuvants, liquid fertilizers, nutrients, any other additives, or anything other than water.

Mix **Imbrex** with water only for applications to Spinach (all varieties).

Leafy Vegetables (except spinach). It is impossible for BASF to test all varieties of leafy vegetables for sensitivity to **Imbrex** under all environments and all potential product mixture combinations. Local conditions can also influence crop tolerance and may not match those under which BASF has conducted testing. Proceed with caution with regard to **Imbrex** use, particularly in tank mixes and/or adjuvant combinations on leafy vegetables. To reduce the risk of leafy vegetable injury, BASF recommends testing **Imbrex** or **Imbrex** tank mixtures on a small portion of the crop before broadscale use.

To the extent consistent with applicable law, the user assumes all risks associated with adding products to the **Imbrex** spray solution. Refer also to the **Conditions of Sale and Warranty** section of this label.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 131.7 fl ozs of **Imbrex** per acre per season. **DO NOT** apply more than three (3) applications of **Imbrex** per season.

DO NOT make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Rice* Wild Rice*	Aggregate sheath spot (*Rhizoctonia oryzae-sativae*) Sheath blight (*Rhizoctonia solani*)	16.4 to 32.9	2	65.8	28

Application Directions. Begin applications of **Imbrex** at the first sign of disease. Repeat applications on 7 to 14 day intervals as needed if conditions for disease infection continue. Use the shorter interval and/or the higher rate when disease pressure is high.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 65.8 fl ozs of **Imbrex** per acre per season. **DO NOT** make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not Registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Root vegetables (except sugar beet) subgroup*	Alternaria leaf spot/blight (*Alternaria* spp.)	16.4 to 21.9	3	65.7	7
Beet, garden Burdock, edible Carrot Celeriac Chervil, turnip-rooted Chicory Ginseng Horseradish Parsley, turnip-rooted Parsnip Radish Radish, Oriental Rutabaga Salsify Salsify, black Salsify, Spanish Skirret Turnip	Powdery mildew (Erysiphe spp., *Leveillula* spp.)				
	Cercospora leaf spot/blight (*Cercospora* spp.)	21.9			
	Suppression Only: Sclerotinia white mold/cottony rot (*Sclerotinia sclerotiorum*)				
	Southern blight (*Sclerotium rolfsii*)				

Application Directions. For optimal disease control, begin applications of **Imbrex** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 65.7 fl ozs of **Imbrex** per acre per season. **DO NOT** make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Sorghum* Milo* **Millet*** (pearl and proso)	Gray leaf spot and Cercospora leaf spot (*Cercospora* spp.) Northern leaf blight (*Exserohilum turcicum*) Rust (*Puccinia* spp.) Southern leaf blight and Bipolaris leaf spot (*Bipolaris* spp.)	16.3 to 21.9	2	43.8	21

Application Directions. For optimal disease control, begin applications of **Imbrex** prior to disease development. Use the higher rate when disease pressure is high.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 43.8 fl ozs of **Imbrex** per acre per season. **DO NOT** apply more than two (2) sequential applications of **Imbrex** before alternating to a **non-Group 7** fungicide.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Strawberries*	Leaf spot (*Mycosphaerella fragariae, Ramularia tulasnei*) Powdery mildew (*Sphaerotheca macularis*)	16.4 to 27.4	3	131.7	0
	Botrytis gray mold (*Botrytis cinerea*)	32.9 to 43.9			

Application Directions. Begin applications of **Imbrex** no later than 10% bloom, or prior to disease development and continue on a 7 to 14 day interval. Use the shorter interval and/or the higher rate when disease pressure is high.

The restricted entry interval (REI) for treated strawberries is **12 hours**. Refer to the **Agricultural Use Requirements** on the **Imbrex** main label for PPE required for early entry to treated areas as permitted under the Worker Protection Standard.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 131.7 fl ozs of **Imbrex** per acre per season. **DO NOT** make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Sugarcane*	Brown rust (*Puccinia melanocephala*) Orange rust (*Puccinia kuehnii*)	16.4 to 27.4	2	54.8	14

Application Directions. Begin applications of **Imbrex** at the first sign of disease. Repeat applications on 14 to 28 day intervals as needed if conditions for rust infection continue. Use the shorter interval and/or the higher rate when disease pressure is high.

Imbrex can be applied by ground or air. When applying by air, **DO NOT** use less than 5 gallons of spray solution per acre.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 54.8 fl ozs of **Imbrex** per acre per season. **DO NOT** apply more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Season	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Tree Nuts Group* Almond Beech nut Brazil nut Butternut Cashew Chestnut Chiquapin Filbert Hickory nut Macadamia nut Pecan Pistachio Walnut (black and English)	Alternaria late blight (*Alternaria* spp.) Botrytis blossom and shoot blight (*Botrytis cinerea*) Brown rot/Blossom blight (*Monilinia* spp.) Eastern filbert blight (*Anisogramma anomala*) Green fruit rot/ Jacket rot (*Botrytis cinerea, Sclerotinia sclerotiorum, Monilinia laxa*) Leaf rust (*Tranzschelia discolor)* Panicle and shoot blight (*Botryosphaeria dothidea*) Scab (*Cladosporium carpophilum, C. caryigenum*) Shothole (*Wilsonomyces carpophilus*) **<u>Suppression Only:</u>** Hull rot (*Rhizopus stolonifer* and *Monilinia* spp.)	16.4 to 27.4	3	82.2	14

(continued)

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Table 2. Imbrex™ Xemium® brand fungicide Crop-specific Directions *(continued)*

Tree nuts group, *continued*

Application Directions. For almond, begin applications of **Imbrex** prior to onset of disease development and continue on a 7 to 14 day interval up to 14 days before harvest.

For filbert, begin applications at budswell to budbreak, or prior to infection and onset of disease development. Continue on a 7 to 14 day interval to cover and protect new growth.

For pecan, begin applications of **Imbrex** prior to onset of disease development and continue on a 7 to 21 day interval for the control of scab. Use the shorter interval and/or the higher rate when disease pressure is high.

For pistachio, apply **Imbrex** prior to onset of disease development and continue on a 10 to 30 day interval. Use the higher rate and shorter intervals when disease pressure is high.

For all other crops listed, apply **Imbrex** prior to disease development and continue on a 7 to 28 day interval. In all cases use the shorter interval when shoot growth is rapid.

No restriction on livestock feeding of almond hulls.

For aerial application to tree nuts, **DO NOT** use less than 10 gallons of spray solution per acre.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 82.2 fl ozs of **Imbrex** per acre per season. **DO NOT** make more than two (2) sequential applications of **Imbrex** before alternating to a labeled **non-Group 7** fungicide.

*Not registered for use in California.

Conditions of Sale and Warranty

The **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 carefully. 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, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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