

At UPL, our portfolio of innovative solutions for the hazelnut market is growing. Our goal is to always provide broader choice and greater value, with advanced products and customized solutions to meet the needs of each grower. We invite you to review our expanded portfolio of proven fungicides, insecticides, miticides and herbicides that deliver exceptional performance and value.

# **CUPROFIX® ULTRA 40 DISPERSS®**

CUPROFIX ULTRA 40 DISPERSS Fungicide (FRAC M1) is a superior option for bacterial blight. A fixed copper sulfate, CUPROFIX ULTRA has a unique DISPERSS formulation that mixes easily and stays in suspension in the tank, for greater and more consistent coverage of foliage. CUPROFIX ULTRA also results in good control of Eastern filbert blight, and when used in the spring may help manage bacterial blight.

### **DEXTER® SC**

**DEXTER SC Fungicide** (FRAC 11) is an economical azoxystrobin option for control of Eastern filbert blight that can be part of a systemic fungicide disease management program.

# MICROTHIOL® DISPERSS®

MICROTHIOL DISPERSS Fungicide (FRAC M2) combines sulfur and science in a superior formulation to deliver excellent control of bud mite under a 24(c) label in the state of Oregon. MICROTHIOL DISPERSS will also control outbreaks of powdery mildew and a patented micronized formulation process ensures more consistent spray coverage and greater surface contact than other sulfur products.

#### **ORANIL®**

**ORANIL Fungicide** (FRAC M5) is an economical chlorothalonil option for controlling Eastern filbert blight. Begin applications at the onset of the disease when weather conditions favor disease development.

#### PH-D®

PH-D Fungicide (FRAC 19) offers a high degree of powdery mildew control in hazelnuts, and its 0-day pre-harvest interval and 4-hour REI make it an excellent option for disease management sprays close to harvest. Being the only product in FRAC Group 19 makes PH-D an important resistance management tool.

### **PROCURE®**

**PROCURE Fungicide** (FRAC 3) provides excellent control of Eastern filbert blight and can be applied by ground or air. It is a unique imidazole with no known cross resistance to the triazoles in the DMI fungicide group.



#### ZIRAM® 76DF

ZIRAM 76DF Fungicide (FRAC M3) is a newly registered option for control of Eastern filbert blight and is quickly becoming the market leader in controlling this disease. ZIRAM 76DF is a multi-site, high-quality, non-phytotoxic formulation with excellent tank-mix characteristics designed to enhance your disease control spectrum even further. ZIRAM is one of the highest fungicides rated on Oregon State Eastern Filbert Blight help page.

#### **ASSATI®**

ASSAIL Insecticide (IRAC 4A) is an effective choice for aphid control in hazelnuts. With its translaminar activity, ASSAIL performs more like a systemic insecticide, providing weeks of control. ASSAIL has also been recognized as a bee-friendly product when good application stewardship is followed. ASSAIL is also effective against filbertworm.

# **ACRAMITE®**

ACRAMITE Miticide (IRAC 20D) is the cornerstone of seasonlong mite control in tree nuts. It offers quick knockdown and long residual control of mites at all life stages while going easy on predator mites and beneficials.

#### **DIMII IN®**

**DIMILIN 2L Insecticide** (IRAC 15) has excellent ovicidal and larvicidal activity against several key pest of hazelnut, including filbertworm, Filbert leafroller, obliquebanded leaf roller, omnivorous leaftier, and winter moth.

### **KANEMITE®**

KANEMITE Miticide (IRAC 20B) provides extremely fast knockdown and long-lasting control of pest mites in hazelnuts and is recognized as one of the most selective and IPM compatible miticides on the market.

# **VIGILANT®**

VIGILANT Miticide (IRAC 20D) provides outstanding protection from spider mites at all stages. It has a short 7-day pre-harvest interval and a reputation for going easy on predator mites and beneficial insects. For most programs, it can be used throughout the season whenever spider mites are present and populations begin to build, offering a solution that seamlessly fits within the framework of your integrated pest management regimen.

#### 7YI O®

**ZYLO Insecticide** (IRAC 18) provides superior control of damaging filbertworm, obliquebanded leafroller, filbert leafroller and omnivorous leaftier in hazelnuts. As an insect growth regulator with systemic activity, ZYLO won't disrupt beneficial insects, mites or pollinators.

# LIFELINE®

LIFELINE Herbicide (HRAC 10) is a non-selective, postemergent herbicide that provides broad-spectrum weed control of some of the most challenging weeds, including glyphosate-resistant varieties. Primarily used in hazelnuts for sucker control, LIFELINE also controls key grass and broadleaf weeds.

# **MOTIF**®

MOTIF Herbicide (HRAC 27) provides the flexibility of preand post-emergent application timings to control a wide range of broadleaf weeds, including pigweed species, lambsquarters, waterhemp, cocklebur and velvetleaf. Classified as a HPPD herbicide, MOTIF offers an alternative mode of action in the battle against resistance and provides the versatility of flexible application timing and excellent crop safety.

# SATELLITE® HYDROCAP

SATELLITE HydroCap Herbicide (HRAC 3) provides preemergent control of grasses and small-seeded broadleaf weeds. A newly developed and patent-pending encapsulation method provides a stable formulation for improved shelf life and excellent mixing characteristics.

For more information about the portfolio of solutions for hazelnuts, talk to your consultant, local UPL representative or retailer, call **1-866-761-9397** or visit **upl-ltd.com/us**.

