

# UPL APPLE PORTFOLIO

Innovative solutions that deliver maximum performance and value

At UPL, our portfolio of innovative solutions for the apple 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, bactericides, insecticides, miticides and herbicides that deliver exceptional performance and value.

## CUPROFIX® ULTRA 40 DISPERSS®

CUPROFIX ULTRA 40 DISPERSS Fungicide (FRAC M1) is a fixed copper sulfate used primarily to control anthracnose, fire blight and apple scab. Its unique DISPERSS formulation mixes easily and completely in the tank, providing more consistent and greater surface contact.

## KASUMIN®

KASUMIN Bactericide (FRAC 24) offers highly effective control of fire blight, including streptomycin-resistant bacteria. The active ingredient, kasugamycin, features a unique site of activity and is the only bactericide in Group 24, making it an effective tool in your resistance management plan.

## MANZATE® PRO-STICK™

MANZATE PRO-STICK Fungicide (FRAC M3) provides advanced formulation technology in the fight against apple scab, rust, rots and leaf blotch. MANZATE has been used effectively for decades without a reported incidence of resistance. Use preventatively to help your apples get off to a perfect start. Also available in a liquid formulation.

## MICROTHIOL® DISPERSS®

MICROTHIOL DISPERSS Fungicide (FRAC M3) combines sulfur and science to deliver excellent efficacy in a superior formulation for control powdery mildew control. A patented micronized formulation process ensures more consistent spray coverage and greater surface contact than other sulfur products.

## PENNCOZEB® 75DF

PENNCOZEB 75DF Fungicide (FRAC M3) is proven chemistry for effective disease control and is the brand of choice for many apple growers when scab, rust and leaf spot are the problems. A multi-site, protectant fungicide, it can effectively be used up to 77 days of harvest.

## PH-D®

PH-D Fungicide (FRAC 19) is a naturally occurring biocontrol option for controlling powdery mildew. With a zero-day pre-harvest interval and 4-hour re-entry interval, PH-D can be used up to the day of harvest. PH-D is the only product in FRAC Group 19, making it an important resistance management tool.

## PROCURE®

PROCURE Fungicide (FRAC 3) is rated one of the best by leading universities for control of powdery mildew in apples. Initiate sprays at first sign of mildew, usually at the one-half inch green tip stage. PROCURE provides both protective and curative disease control as well as systemic activity in the plant.

## SYLLIT® FL

SYLLIT FL Fungicide (FRAC U12) for apple scab control should be used early in the season, beginning at green tip and then 7 days later to clean orchards of overwintering scab at the start of the season. SYLLIT FL can be tank mixed with MANZATE PRO-STICK or PENNCOZEB 75DF for added control.



## TOPSIN®

**TOPSIN Fungicide** (FRAC 1) provides broad-spectrum control of key diseases such as sooty blotch, flyspeck, scab, rust, rot and powdery mildew. TOPSIN is a systemic fungicide that moves from top to bottom, and upward and outward within the leaves and stem and can effectively be used throughout the season and up to 1 day of harvest.

## ZIRAM® 76DF

**ZIRAM 76DF Fungicide** (FRAC M4) is a broad-spectrum, multi-site fungicide that controls multiple diseases that can occur individually or at the same time such as sooty blotch, flyspeck, scab, bitter and bulls-eye rot. A high quality, non-phytotoxic formulation with excellent tank-mix characteristics is designed to expand your disease control spectrum even further.

## ACRAMITE®

**ACRAMITE Miticide** (IRAC 20D) offers quick knockdown and long residual control of mites at all life stages while going easy on predator mites and beneficials.

## ASSAIL®

**ASSAIL Insecticide** (IRAC 4A) is one of the broadest insecticide options available to apple growers, highly effective at controlling codling moth, Oriental fruit moth, apple maggot, aphids, plum curculio, scale, *Campylopus* and more. With its translaminar activity, ASSAIL provides weeks of control and is a bee-friendly product when good application stewardship is followed.

## KANEMITE®

**KANEMITE Miticide** (IRAC 20B) offers exceptional control, rapid knockdown and long-lasting residual activity on European red, Pacific spider and two-spotted spider mites while going easy on predator mites and beneficials. Its unique active ingredient makes it an ideal member of your resistance management program.

## OMITE®

**OMITE Miticide** (IRAC 12C) offers swift relief from mites in pome fruit. Using its unique active ingredient and fuming action, OMITE provides fast and powerful knockdown of a wide range of mites at all life stages. OMITE is rainfast for lasting control and is an excellent rescue treatment.

## RIMON®

**RIMON Insecticide** (IRAC 15) is a broad-spectrum larvicide and ovicide that provides excellent control of key pests in apples. An insect growth regulator, RIMON goes after eggs, larvae and nymphs. Its unique mode of action makes it an excellent resistance management tool.

## VIGILANT®

**VIGILANT Miticide** (IRAC 20D) provides outstanding protection from spider mites at all stages. With a reputation for going easy on predator mites and beneficial insects, VIGILANT 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.

## ZYLO®

**ZYLO Insecticide** (IRAC 18) provides superior control of damaging lepidoptera pests in apples, including oriental fruit moth, leafrollers and more. As an insect growth regulator, ZYLO won't disrupt beneficial insects, mites or pollinators.

## LIFELINE®

**LIFELINE Herbicide** (HRAC 10) is a non-selective, post-emergent herbicide that provides broad-spectrum weed control of some of the most challenging weeds, including glyphosate-resistant marestail, hairy fleabane, malva and filaree. Its unique mode of action makes LIFELINE an excellent choice in a resistance management strategy.

## MOTIF™

**MOTIF Herbicide** (HRAC 27) provides post-emergent and residual control of a wide range of broadleaf weeds and offers an alternative mode of action in the battle against resistance along with excellent crop safety.

## SATELLITE® HYDROCAP

**SATELLITE HydroCap Herbicide** (HRAC 3) provides pre-emergent control of grasses and small-seeded broadleaf weeds like pigweed, lambsquarter, waterhemp and velvetleaf. A uniquely 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 apples, talk to your consultant, your local UPL representative or retailer, or visit [upl-ltd.com/us](http://upl-ltd.com/us).



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