



## The Bayer Commitment to Helping You Grow On

At the heart of our efforts in partnering with you is a commitment to three core areas in which we believe our products can have the greatest impact on agricultural sustainability:

### Plant Health Improvement

Unique products that promote plant health for improved nutrient and water uptake and disease resistance

### Biodiversity Preservation

Newer formulations that target pests, help preserve beneficials and manage resistant diseases

### Improved Crop Safety

Innovative portfolio, including products with fewer restrictions, that can help reduce applications and lower worker exposure

## Innovative Solutions for Grapes



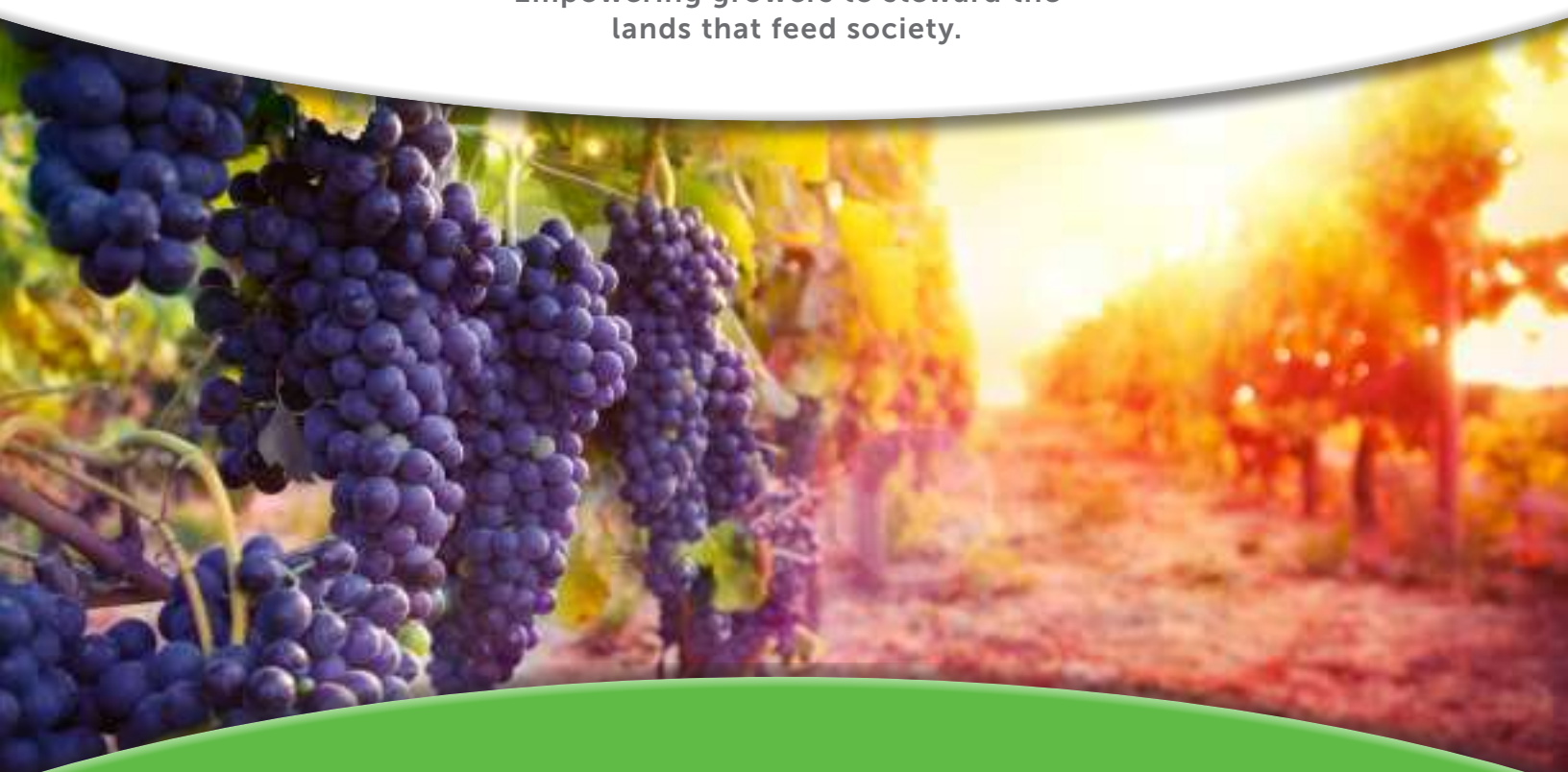
### Visit [GrowOn.Bayer.us](http://GrowOn.Bayer.us) for more information

**IMPORTANT:** This bulletin is not intended to provide adequate information for use of these products. Read the label before using these products. Observe all label directions and precautions while using these products.





Empowering growers to steward the  
lands that feed society.



**You work hard to build the farms  
that sustain us all, ensuring a safe, nutritious and affordable  
food supply for a growing global population.**

Profitable farms are vital for food security and prosperous societies, and these farms can continuously strengthen their operations and steward the environment to ensure sustainable farming for generations to come.

With modern agricultural methods, we can achieve greater yields from existing farmland and steward healthy ecosystems.

At Bayer, we want to partner with you to Grow On by helping to identify, apply and communicate sustainable farm practices.





## WATER

## BAYER SOLUTIONS

### Optimize plant water usage and quality

- Suppress nematode populations, which, if left unchecked, can damage a plant's root system and impair water uptake. Plants develop healthier roots and use water more efficiently to increase harvestable produce and potentially lower annual water applications.
- Eliminate tough weeds that directly compete with a crop for precious water resources.
- Help roots gain the mass and depth they need to improve water uptake and better deal with drought stress.

Movento® insecticide

Alion® herbicide

Serenade® fungicide



## BIODIVERSITY

## BAYER SOLUTIONS

### Use Integrated Pest Management to manage pests with minimal environmental impact

- Stay in harmony with Integrated Pest Management practices by using products that target specific pests, but have minimal impact.
- Promote a balanced ecosystem by controlling herbicide resistant and invasive weed species.
- Consider alternative biological modes of action to combat resistant diseases.
- Combat key vine diseases, improve vine health and prolong vineyard lifespan.
- Take advantage of flexible application timings for at-bloom and pre-harvest applications, which allow season-long pest and disease control with minimal impact on beneficials and pollinators.
- Activate a plant's natural defenses to induce systemic responses, which increases the plant's ability to overcome adverse stress factors.

Movento and Sivanto™ insecticides

Alion herbicide

Serenade fungicide

Luna® fungicides

Serenade fungicide, Sivanto insecticide

Serenade fungicide, Admire® Pro insecticide



## FOOD WASTE

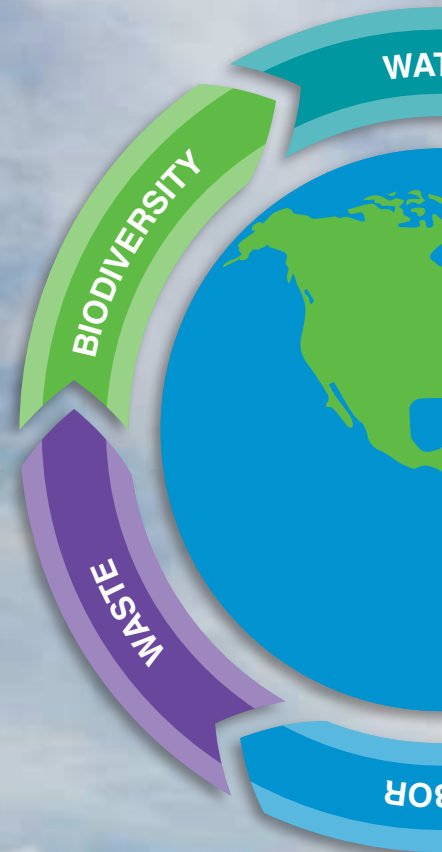
## BAYER SOLUTIONS

### Reduce food waste, prevent pre-harvest loss and extend post-harvest shelf life

- Protect fruit against in-season and post-harvest diseases resulting in higher quality, less-blemished fruit that is less susceptible to storage rot pathogens.
- Maintain better quality through transit and storage, so that grapes are less likely to be discarded as food waste.

Luna fungicides

Luna and Serenade fungicides



# For Sustainable Grapes



## SOIL HEALTH

## BAYER SOLUTIONS

### Improve soil health and plant nutrient uptake

- Improve root nutrient uptake by suppressing nematode populations, which can severely degrade root health.
- Increase fertilizer available for plant uptake by reducing weed competition.
- Reduce soil compaction by utilizing chemigation and efficacious products to lower annual vineyard spray applications.

Movento insecticide  
  
Alion herbicide  
  
Sivanto and Admire Pro insecticides, Serenade and Luna fungicides, Alion herbicide



## GREENHOUSE GASES

## BAYER SOLUTIONS

### Lower GHG emissions and fuel use

- Reduce equipment passes and spray applications by delivering crop protection through pre-existing irrigation systems.
- Cut down on total field applications and equipment passes with products that have long residual effectiveness.

Serenade fungicide, Admire Pro and Sivanto insecticides  
  
Movento and Admire Pro insecticides, Luna fungicides, Alion herbicide



## LABOR

## BAYER SOLUTIONS

### Improved work environments

- Non-restricted chemistry with the convenience of a 12-hour re-entry interval.
- Provide more flexibility and efficiency with shorter re-entry intervals and zero-day pre-harvest intervals.
- Avoid the extra oversight of a certified applicator by using non-restricted use products.
- Apply products that have the "caution" signal word (lowest required signal word) and have indications of low acute toxicity.
- Bayer developed easyFlow in collaboration with agrotop GmbH to help small-scale growers reduce worker exposure to crop protection products and minimize the risk of unintentional product spills.

Alion herbicide  
  
Serenade fungicide  
  
Movento insecticide  
  
Admire Pro, Movento and Sivanto insecticides, Luna and Serenade fungicides  
  
easyFlow