Oryx

Low RESIDUE

A next-generation biological-based hybrid fungicide, bactericide, and viricide for use on a wide range of crops

Sineria

SINERIA HYBRID

PIS-ORYX-ALLCO_EN_SIN-20200519

Sineria Hybrid product

Sineria has developed a Biological bridge solution portfolio that allow a transition from a system rooted in toxic pesticides to a healthier, low-residue, biological-based sustainable program.

Hybrid technology which effectively combines biological based ingredients highly refined:

- Plant extracts
- Natural microbial agents
- Fermentation products

Natural Plant Extract + **Natural Plant Extract**

SINERIA HYBRID

Rheum officinale **plant extract 5%**

Oryx

Cnidium monnieri **plant extract 5%**

Oryx's *unique combination offers a highly synergistic effect with minimum residues*

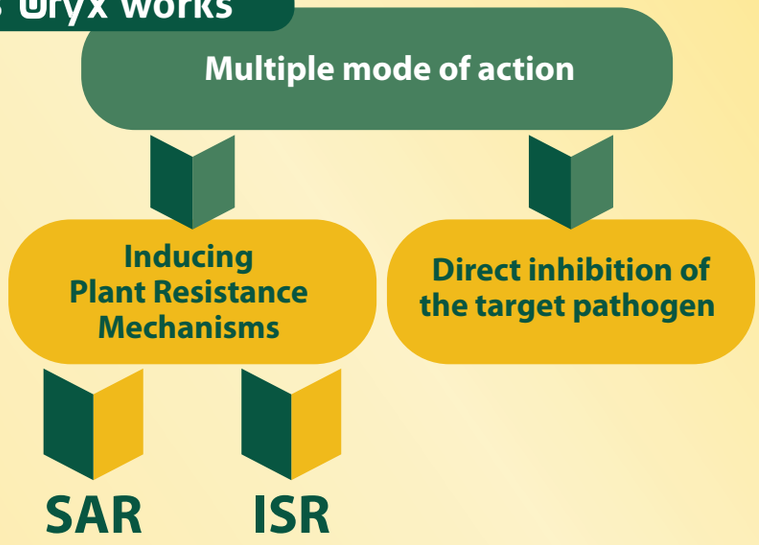
- *Rheum officinale* plant extract activates the plant's immune system by eliciting both SAR (Systemic Acquired Resistance) and ISR (Induced Systemic Resistance).
- Crops treated with *Rheum officinale* plant extract produce and accumulate high levels of self-generated proteins, phytoalexins and other compounds known to inhibit fungal and bacterial diseases, thus effectively stopping disease or infection from migrating to neighbouring cells.
- *Cnidium monnieri* plant extract controls the ergosterol biosynthesis in fungi, restrains the assimilation of glucose and calcium, and inhibits the activity of adenosine triphosphatase (ATPases).
- *Cnidium monnieri* has anti-fungal, anti-bacterial and anti-viral properties.

- *Oryx SC is a highly active, hybrid solution against a wide range of fungal and bacterial diseases on selected crops.*
- Oryx SC is an integration of botanical ingredients that delivers a better toxicological profile, lower residue index and lower impact on beneficial insects and pollinators.
- Oryx SC is formulated as SC – a Suspension Concentrate

Advantages in Use:

- Low toxicity profile
- Minimum residue levels
- Release resistance pressure
- Broad spectrum of activity
- High efficacy
- Liquid formulation
- No refrigeration needed
- 2 years shelf life
- IPM Compatible
- Can be integrated into conventional spraying programs

How does Oryx works



Application rate

Foliar spray and soil application via drip irrigation or drenching:

CROPS	DISEASE	RATE
Vegetables: Peppers, Tomatoes, Cruciferae, Carrots, Papikras, Eggplant	Downy mildew, powdery mildew, late blight, early blight, bacterial wilt, bacterial spot	1.5-2.5 l/ha
Beans, Peas, Soybean, Groundnut	Ascochyta, botrytis, gray mold, powdery mildew, bacteria, sudden death disease, frog-eye	1.5-2.5 l/ha
Onions, Garlic	Powdery mildew, purple blotch (Alternaria), sclerotinia, rust, bacterial diseases	1.5-2.5 l/ha
Ornamentals	Downy mildew, powdery mildew, gray mold, agrobacterium	1.5-2.5 l/ha

- Proposed agronomic practice: Foliar application followed by a soil application one week after.

Special notes:

- Repeat application at 7-10 days intervals depending on environmental conditions and disease pressure.
- Do not apply under conditions which favour runoff or wind erosion of soil containing this product to non-target areas.
- Always use the spray mix the same day of preparation

Viral diseases:

CROPS	VIRAL DISEASE	RATE
Vegetables, Onions, Garlic	Tomato spotted wilt orthotospovirus (TSWV); Cucumber mosaic virus (CMV); Potato virus Y (PVY); Tobacco mosaic virus (TMV); Tomato yellow leaf curl virus (TYLCV)	2.0 l/ha
Ornamentals	Prunus necrotic ringspot virus (PNRSV), Apple mosaic virus (ApMV), and Rose spring dwarf-associated virus (RSDaV)	1.5-2.0 l/ha

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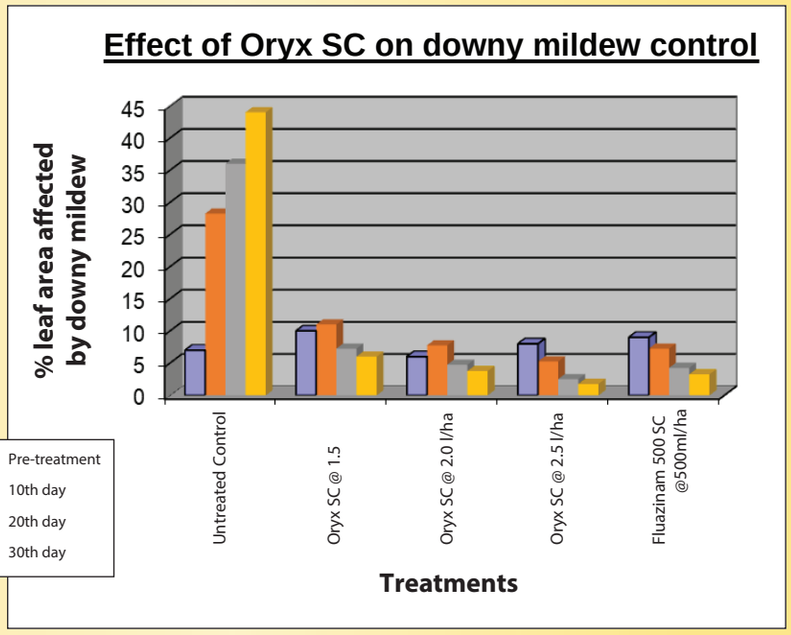
Oryx in action...

Location: Italy
Report Date: 2018
Crop: Roses under greenhouse conditions
Pest Target: *Downy mildew*

% Leaf area affected by downy mildew recorded on roses

Treatment	% control achieved agains untreated		
	10th day	20th day	30th day
Untreated Control	-	-	-
Oryx SC @ 1.5 Lt/ha	61.1	79.9	86.4
Oryx SC @ 2.0 Lt/ha	72.6	86.8	91.5
Oryx SC @ 2.5 Lt/ha	81.4	93.1	96.0
Fluazinam 500 SC @500 ml/ha	74.3	88.2	92.6

Means followed by the same letters within the same column are not significantly different at (Duncan's multiple range test, P = 0.05)



NOTE - EXPORT OF TREATED CROPS
User should note that MRL's or import tolerances may vary between countries where crops are exported to. Some crops for export may require longer harvest withholding periods. If you plan to use this Product on crops for export please check with your exporter/relevant organizations before using the product to confirm its fits your requirements. PHI indication on label/PIS (if provided) is a reference only.

User should check and verify the required PHI as per his requirements. No warranty is provided for PHI indication.

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