

ISO 9001 & 14001 REGISTERED



**VAPCO**  
**VETERINARY & AGRICULTURAL**  
**PRODUCTS MANUFACTURING CO. LTD.**



# ENYO – 10% SC

“SPIROTETRAMAT – 10%”

**INSECTICIDE**  
**TECHNICAL DATA SHEET**



### INTRODUCTION:

INSECTICIDE ACTING MAINLY BY INGESTION BUT ALSO ON CONTACT, AFFECTING EGGS AND LARVAE, WITH ADDITIONAL EFFECTS ON ADULT FECUNDITY USED TO CONTROL VARIOUS INSECT PESTS IN FRUIT, VEGETABLE AND OTHER CROPS AS SPECIFIED IN THE TABLE OF USES.

### PROPERTIES:

**ENYO – 10% SC:** IS FULLY SYSTEMIC, MOVING THROUGH PHLOEM AND XYLEM TO ALL PLANT TISSUES INCLUDING NEW SHOOT, LEAF AND ROOT GROWTH.

**ENYO – 10% SC:** IS ACTIVE PRIMARILY BY INGESTION AGAINST IMMATURE TARGET PEST LIFE STAGES. IN ADDITION, FERTILITY OF ADULT FEMALE TARGET PESTS, SUCH AS APHIDS AND WHITEFLIES, MAY BE REDUCED.

### TARGET CROPS:

SOYBEAN, GRAPEFRUIT, LEMON, MANDARIN, ORANGE, PUMMELO, GOOSEBERRY GRAPE, KIWIFRUIT, APPLE, LOQUAT, MAYHAW, PEAR, QUINCE, APRICOT, CHERRY, NECTARINE, PEACH, PLUM, PRUNE, ALMOND, CASHEW, CHESTNUT, HAZELNUT, PECAN, PISTACHIO, WALNUT, AVOCADO, GUAVA, MANGO, PAPAYA, OKRA, EGGPLANT, OKRA, PEPPER, TOMATO, CELERY, CRESS, LETTUCE, PARSLY, PURSLANE, SPINACH, SWISS CHARD, BEAN, PEA, LUPIN, KIDNEY BEAN, NAVY BEAN, FIELD BEAN, COWPEA, BROAD BEAN, CHICKPEA, LENTIL, BROCCOLI, CABBAGE, CAULIFLOWER KALE, COLLARDS, ARTICHOKE, CASSAVA, GINGER, POTATO, SWEET-POTATO, TURMERIC, YAM BEAN.

### MODE OF ACTION:

LIPID BIOSYNTHESIS INHIBITOR, THROUGH INHIBITION OF ACETYL COA CARBOXYLASE.



### USES AND RECOMMENDATIONS:

- **TREATMENT MUST BE MADE WHEN INSECT POPULATIONS BEGIN TO BUILD AND BEFORE DAMAGING POPULATION BECOMES ESTABLISHED.**

Crops	pests	Application rate ml/20 liter water	Recommendations	Minimum Interval between applicatio ns/ day	P.H.I / day
Soybean	Aphids, Whiteflies	8.6 – 17.7	ENYO must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake.  Maximum ENYO allowable per crop season 35.5 ml.	7	21
Grapefruit, Lemon, Mandarin, Orange, Pummelo.	Aphids, Psyllid, Scale insect, Citrus Thrips, Mealybug, Whiteflies.	28.3 – 35.5	Do not apply this product within 10 days prior to bloom, during bloom, or until petal fall is complete. Do not apply non-ionic surfactant in tank mix on white grapefruit. Maximum ENYO allowable per crop season 71 ml.	21	21

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Gooseberry, Grape, Kiwifruit	Mealybugs, Phylloxera, Whiteflies.	17.7 – 28.3	When mixing with adjuvant, it is recommended that a high quality spreading/penetrating adjuvant be used at a rate that is known to be safe to the crop and to make a small scale trials. Maximum ENYO allowable per crop season 44.4 ml.	30	21
Apple, Loquat, Mayhaw, Pear, Quince	Aphids, Pear psylla, San Jose Scale, Mealybug, Whiteflies.	21.1 – 31.9	Do not apply until petal fall.  Maximum ENYO allowable per crop season 88.7 ml.	14	21
Apricot, Cherry, Nectarine, Peach, Plum, Prune.	Aphids, San Jose Scale, Mealybug, White peach scale Whiteflies.	21.1 – 31.9	Do not apply until petal fall. Maximum ENYO allowable per crop season 54.2 ml.	14	21
Almond, Cashew, Chestnut, hazelnut, pecan, pistachio, walnut	Aphids, San Jose Scale, Mealybug, Phylloxera, Whiteflies.	21.1 – 31.9	Do not apply until petal fall. Maximum ENYO allowable per crop season 76.3 ml.	14	21
Avocado, Guava, Mango, Papaya	Aphids, Scale, Mealybug, Whiteflies.	28.3 – 35.5	Maximum ENYO allowable per crop season 88.7 ml.	14	21
Okra, Eggplant, Okra, Pepper, Tomato.	Aphids, Psyllids, Whiteflies.	10.6 – 17.8	Maximum ENYO allowable per crop season 35.5 ml.	7	14
Celery, Cress, Lettuce, Parsly, Purslane, Spinach, Swiss chard	Aphids, Whiteflies.	10.6 – 17.8	Maximum ENYO allowable per crop season 35.5 ml.	7	14

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Bean, Pea, lupin, kidney bean, navy bean, field bean, cowpea, Broad Bean, Chickpea, Lentil.	Aphids, Whiteflies.	10.6 – 17.8	Maximum ENYO allowable per crop season 35.5 ml.	7	14
Broccoli, Cabbage, Cauliflower Kale, Collards.	Aphids, Midge, Whiteflies.	10.6 – 17.8	When mixing with adjuvant, it is recommended that a high quality spreading/penetrating adjuvant be used at a rate that is known to be safe to the crop and to make a small scale trails. Maximum ENYO allowable per crop season 35.5 ml.	7	14
Artichoke, Cassava, Ginger, Potato, Sweet-potato, Turmeric, Yam bean.	Aphids, Psyllids, Whiteflies.	14.4 – 17.8	Maximum ENYO allowable per crop season 35.5 ml.	7	14

### CAUTION:

- USED ONLY ON ABOVE MENTIONED CROPS AND FOLLOW THE RECOMMENDED SAFETY PERIOD BEFORE HARVEST.
- DO NOT APPLY PRIOR TO PETAL-FALL ON POME FRUITS, STONE FRUITS AND TREE NUT CROPS. FOLLOWING APPLICATION TO PLANT FOLIAGE, ENYO IS FULLY SYSTEMIC, MOVING THROUGH PHLOEM AND XYLEM TO NEW SHOOT, LEAF AND ROOT TISSUES; SYSTEMICITY AND EFFICACY MAY BE HINDERED DURING PERIODS OF COLD TEMPERATURES, UNDER DROUGHT CONDITIONS, OR WHEN PLANTS ARE NOT ACTIVELY GROWING.
- IT IS NOT RECOMMENDED TO ADD ENYO TO THE TANKMIX OR SEQUENTIAL TREATMENT WITH SPRAY OIL WITH CAPTAN AND/OR SULFUR.
- USE IN ENCLOSED STRUCTURES, SUCH AS GREENHOUSES OR PLANTHOUSES, IS NOT PERMITTED.



**RE ENTRY PERIOD:**

24 HOURS FROM THE LAST SPRAYING.

**PRECAUTIONS:**

- READ THE LABEL BEFORE USE AND FOLLOW ITS INSTRUCTIONS STRICTLY.
- BEFORE USE WEAR PROTECTIVE CLOTHING, GOGGLES, GLOVES AND FACE SHIELD.
- DO NOT SMOKE, DRINK OR EAT DURING USE.
- STORE PESTICIDE IN ITS ORIGINAL CONTAINER TIGHTLY CLOSED AWAY FROM CHILDREN FOOD AND FEED, IN A WELL – VENTILATED PLACE AND AWAY FROM TEMPERATURE SOURCES.
- DISPOSE THE EMPTY CONTAINER SAFELY, DO NOT RE-USE FOR OTHER PURPOSES.
- HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. DO NOT BREATHE MIST. DO NOT ALLOW TO CONTACT SKIN, EYES OR CLOTHING.
- WASH HANDS AND EXPOSED SKIN BEFORE EATING, DRINKING OR SMOKING AND AFTER HANDLING. WASH ALL CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.
- THIS PESTICIDE IS TOXIC TO AQUATIC INVERTEBRATES AND OYSTERS. DO NOT APPLY DIRECTLY TO WATER; RUNOFF FROM TREATED AREAS MAY BE HAZARDOUS TO AQUATIC ORGANISMS. DO NOT CONTAMINATE WATER WHEN DISPOSING OF EQUIPMENT WASHWATERS.
- DO NOT APPLY WHEN WEATHER CONDITIONS FAVOUR DRIFT FROM TREATED AREAS.

**CROP TOLERANCE:**

NOT PHYTOTOXIC WHEN USED AS RECOMMENDED.

**COMPATIBILITY:**

COMPATIBLE WITH MOST PRODUCTS, BUT IT'S PREFERABLE TO MAKE COMPATIBLE TEST BEFORE MIX.