

## Home Orchard Ecological Products

### MYCO PAKS

Place a teabag-like mycorrhizae pack at the bottom of your planting hole or pot, next to the roots. Use one pack for each (existing) foot in height of your plant. Mycorrhizal fungi enable the root system to increase in size and capacity to absorb the nutrients already in your soil. Building up your soil with organic matter allows mycorrhizae to thrive. #T185 Each 75¢; Package of 10, \$3.50; Pkg of 25, \$6; Pkg of 100, \$20

### CODLING MOTH TRAPS

Contains two sticky traps with lures which draw codling moths to their doom. Hang these 6" long non-toxic tents in your apple trees when they begin to bloom. Use two traps per mature tree. #T161 Each \$12.50



### APPLE MAGGOT TRAPS

Each kit is designed to protect one mature fruit tree. Kit includes three red spheres and hangers, three pheromone lures, instructions and a large tube of glue. Set traps out in mid-April. Non toxic. #T163 Each \$14.95

### APPLE MAGGOT LURES

The three lures, offered in a kit above, are each in a tiny plastic container. You can twist tie them to red spheres, like the ones we sell below to further trap apple maggot males. #T164 Each \$7.99

### TANGLE TRAP

One quart of brushable Tangle Trap for the home orchardist. Use it on apple maggot or codling moth traps, red spheres or purchased small red apples to hang in your trees, or anywhere else you need a non-toxic sticky surface! Cleans up with mineral spirits. Use it on paper bands around tree trunks to create a barrier to climbing ants. Quart size. #T166 Each \$17.50 CITRA-SOLV Citrus based solvent removes tangle trap. 8 oz. #T171 \$8.50

### SAFER BIONEEM BOTANICAL INSECTICIDE

Derived from the seed of the Neem tree, BioNeem is effective against currant worm, codling moth, aphid, and other soft-bodied sucking insects. This water-based extracted form of Neem is gentle on plants and beneficial insects. For best results apply 2-3 times at 7 day intervals. Covers up to 6,000 sq. ft. #T172 16 oz. concentrate Each \$19.95

### Biological Pest Control

Introducing a new set of tools for your home orchard pest control. Biological controls have the benefit of being safe for the environment and working in a different way than chemical controls. Alternating between methods of pest control reduces the possibility of resistance build-up.

### SURROUND

This super fine kaolin clay, mixed with water and sprayed on fruit, forms an "organic" clay film barrier that interferes with insects feeding or depositing eggs. It is effective against apple maggot, plum curculio, pear psylla, Japanese beetles, and other pests. Surround does not inhibit fruit ripening, harm bees or beneficial insects, and is also used to reduce sunburn damage. Apply the first spray with a home orchard sprayer when the fruit is small, before insects arrive. Directions are included. **How much to use?** One pound will spray four 12-20' trees one time. Up to 4 sprays are needed per year as the fruit enlarges or rain washes off the clay, so plan on 1 pound per tree. For our customers east of the Rockies, Surround will be shipped via Zone Skipping March through May. #T168 5 lb bag \$22.50; 3 or more \$18.50 each; #T170 25 lb bag \$80

### SPINOSAD

Spinosad is a mixture of metabolites derived from a common soil bacterium. When contacted, caterpillars (including codling moth, plum curculio, and currant worm) and thrips are quickly paralyzed and controlled. Apply spray 2-4 weeks after bloom, repeat at 10-14 day intervals up to 6 times per year. This is a broad spectrum quick acting insecticide, most useful when there is a high level of infestation. Properly timed applications will not be harmful to bees and other beneficial insects. One pint makes 8 gallons of spray. #T177 One pint concentrate Ea \$19.95

### MASON BEE BLOCK AND BEES

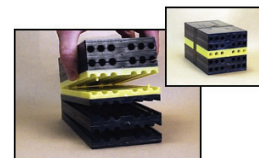


Mason bees don't produce honey and they don't sting but they are superior pollinators for your backyard orchard, flying in cool spring weather that would ground a honey bee. The bees nest in a wood block and lay eggs that hatch out to pollinate your trees the next spring. They do this year after year! We offer the block, release box, bees and a two year supply of straws. A straw goes in each hole. Upon receipt, store the straws containing the bees in the refrigerator. (instructions included) Then put the straws in the release box in the Spring when it's time for the bees to go to work! An entomologist checks each straw to insure bees are viable! **Shipped November through February. Entomologist and bee expert Evan Sugden raises the bees in the Raintree orchard. His bee box design and its spacing of the straws is the result of year's of studying optimum bee housing. One bee block, once filled, provides pollination equal to a whole hive of honey bees, plenty of pollination for a 1/2 acre orchard!**

#T346 Calm Bee Nation – includes a 50 hole block, 30 bees, release box and two extra years supply of straws. (All, except bees, pictured above.) Price \$85  
#T343 Bees in 6 Straws (includes 30 bees) & Release box Price \$35  
#T343A Bees in Straws only (includes 30 bees) Price \$27.50  
#T348 100 straws without bees. Price \$10  
#T347 50 hole nest block alone. Price \$45

### BEE DIVERSE STACKED TRAYS

Hard plastic stackable trays with 30 nesting holes. This system allows you to see what is in each hole in the fall and is easily cleaned and reused each year. Place trays inside an open ended weatherproof container under an overhang on the east side out of direct rain and wind. #T341 Each \$17.50



### BEE OBSERVATION BOX

This hand crafted nest has a neatly fitted top that can be lifted without disturbing the bees. See them through clear acetate film and observe the three nesting tunnels. Children love to watch the bee larvae eat pollen and spin their cocoon. The nest lasts for years. The box will house at least a dozen bees. Education information is included. #T340 \$24.95



NEW



### POLLINATION WITH MASON BEES

80 pages; By Margriet Dogterom; A great book on understanding mason bees and managing them for pollination and fruit production. #S426 Each \$11.95

### BEE MOVIE; "HOW TO" MASON BEE DVD

A 30 minute fascinating step by step instructive video from Dr. Margriet Dogterom on attracting and caring for mason bees. Watch close ups of the bees laying eggs and building their nests. #S422 Each \$19.95

Order these and other biological pest controls directly from ARBICO. Their web site is [www.arbico-organics.com](http://www.arbico-organics.com) Phone them at 800 827 2847

### NEMASEEK BENEFICIAL NEMATODES

(Heterorhabditis bacteriophora) Interrupt the over-wintering stage of apple maggots by treating the ground under host trees in late spring before the adults have emerged, or in fall after harvest. This predatory nematode actively seeks and feeds on apple maggot larvae (and other harmful grubs) in the soil, reducing the number of adults that can emerge and deposit eggs on your fruit. Ground must be moist and night temperatures consistently above 40°F when nematodes are applied. A second application 1 week after the first is most effective. One vial treats 3,200 sq feet, or 4 12-20' trees twice. Each Vial \$45 Farm size (treats 1 acre) \$90

### TRICHOGRAMMA WASPS

These tiny wasps deposit their eggs in the eggs of codling moths, and other harmful moths. Release within 7-14 days after you observe codling moths in traps, and again every 7-10 days until you no longer see moths. Use 2 squares (4,000 eggs per square) for each 10-15' tree. Eggs last two weeks in your refrigerator. 1 card containing 30 squares \$50; Each additional card \$20

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