

Compatibility of Mixing Insecticides with Fungicides

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DUE TO CONSTANTLY CHANGING LAWS AND REGULATIONS, IT IS TOTALLY THE RESPONSIBILITY OF THE APPLICATOR TO CHECK LABELS FOR CURRENT HOST PLANT CLEARANCE, DOSAGE RECOMMENDATIONS, SAFETY INFORMATION, AND PHYTOTOXICITY INFORMATION.



WARNING: PESTICIDES ARE POISONOUS!

READ AND FOLLOW DIRECTIONS AND SAFETY PRECAUTIONS ON LABELS. HANDLE AND STORE IN ORIGINAL CONTAINERS OUT OF REACH OF CHILDREN, PETS, AND LIVESTOCK. DISPOSE OF EMPTY CONTAINERS RIGHT AWAY IN A SAFE MANNER AND PLACE. DO NOT CONTAMINATE FORAGE, STREAMS OR PONDS.

Before mixing two or more pesticides, read all of the product labels involved for special instructions. Then mix a small portion in a jar as follows:

1. Put 1 pint of water into a quart jar.
2. Add the proper amounts of each pesticide in the same order that will be followed when the actual spray mix is prepared. Pesticides usually are added in this order: 1) wettable powders, 2) flowables, 3) water solubles, 4) spreader-stickers, 5) emulsifiable concentrates. (**Wettable powders usually are not mixed with emulsifiable concentrates**).
3. Cap the jar and shake it vigorously to thoroughly mix the contents, and then let it set one-half hour.

The compounds can be mixed in the tank if:

1. There is a uniform mix or only a slight separation.
2. There are no sludges or clumps.
3. The oil disperses.

This only means that the chemicals can be mixed. **IT DOES NOT MEAN THAT THE MIX IS SAFE FOR THE CROP!** Keep records of mixes used and the reactions of the crops that are treated.

Treat only a small portion of the crop on a trial basis. There are several possible problems involved with mixing pesticides or with short-interval serial applications:

1. The combined application may result in phytotoxicity.
2. The two compounds may chemically or physically react, resulting in loss of effectiveness of one or both materials.
3. The combination may be more toxic to the applicator than either material alone.
4. Even if compounds X and Y are individually compatible with compound Z, there usually is no information regarding what happens when all three are mixed together. **THE FIRST TIME THAT A MULTIPLE MIXTURE IS USED, TREAT IT AS AN EXPERIMENT.**



KEEP RECORDS!