

VEGETABLE LABELS OF DACTHAL, TREFLAN AND POAST

Andy Kendig, 1996

| Crop   | Dacthal<br>(DCPA) | Treflan<br>(trifluralin) | Poast<br>(sethoxydim)                                |
|--|-------------------|--------------------------|--|
| Asparagus  |                   | X                        | ?  |
| Beans  | X                 | X                        | X  |
| Beets  |                   |                          |  |
| Blackeyed Peas   | X                 | X                        | NL   |
| Cow Peas   |                   | X                        | NL   |
| Garden Peas  |                   | X                        | NL   |
| Sugar-snap Peas  |                   | NL                       | NL   |
| Snow Peas  | Nothing listed    |                          |  |
| Dried Peas   |                   | X                        | NL   |
| Processing Peas  |                   | X                        | NL   |
| Broccoli/Brussel Sprouts/Cabbage <b>BUT NOT KOHLRABI</b>         | X                 | X                        | X  |
| Kohlrabi   | X                 |                          | X  |
| Collards/Kale/Mustard/Turnips <b>BUT NOT SPINACH OR RADISHES</b> | X                 | X                        | X  |
| Radishes   | X                 | X                        | NL   |
| Spinach  |                   | Injurious                | X  |
| Cantelope/Watermelon/Cucumber/Squash <b>BUT NOT PUMPKINS</b>     | X                 | Injurious                | X  |
| Pumpkins   | NL                | Injurious                | X  |
| Eggplant   | X                 |                          | X  |
| "Flowers"  | X                 |                          | Injurious to some bulbs.<br>"Solvent burn" possible. |
| Garlic   | X                 |                          | Labeled, but injury possible                         |
| Horseradish  | X                 |                          |  |
| Lettuce  |                   | Injurious                | X  |
| Okra   |                   | X                        | NL   |
| Beets  | Nothing listed    |                          |  |
| Green Onions   |                   |                          | X  |
| Dry Onions   | X                 | X                        | X  |
| "Ornamentals" (Shrubs)   | X                 |                          | X  |
| Peppers  | X                 | X                        | X  |
| Potatoes   | X                 | X                        | X  |
| Rhubarb  |                   |                          | NL   |
| Roses  | X                 |                          | NL   |
| Rutabagas  | Nothing listed    |                          |  |
| Strawberries   | X                 |                          | X  |
| Sweet Potatoes   | X                 |                          | NL   |
| Tomatoes   | X                 | X                        | X  |
| Turnip Roots   | X                 |                          | NL   |
| Turnip Greens  |                   | X                        | NL   |
| Sweet Corn   | Injurious         | Injurious                | Injurious  |

NL = Crop is not currently labeled, but future label is possible.

**HERBICIDES MENTIONED  
MASTER GARDENER PRESENTATIONS, 1996**

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| Original product trade name   | Active Ingredient  | Uses and comments.  |
|---|--|---|
| <b>RECOMMENDED BASIC ARSENAL</b><br>(Choose between Dacthal or Treflan, they have similar uses.)  |  |   |
| Dacthal   | DCPA   | Preemergence herbicide which controls annual grasses and small-seeded broadleaf weeds. Can be used on many vegetables, ornamentals and turfgrass. Rate depends upon soil type.  |
| Treflan   | trifluralin  | Pre-plant incorporated herbicide which controls annual grasses and small-seeded broadleaf weeds. Can be used on many vegetables. Some turf and ornamental herbicides also contain trifluralin. Must be mixed with (incorporated) the soil. Rate depends upon incorporation depth <b>and</b> soil type.  |
| Poast   | sethoxydim   | Postemergence herbicide which only controls grasses. Poast is labeled for the widest range of vegetables and ornamentals. Can damage flower blooms. Follow directions for use of a "surfactant", avoid crop oil. Use on actively growing grass. Although Poast is labeled for onions, garlic and some bulbs these plants are grasses and injury is possible if overdosed or if the particular bulb is not labeled. Will release broadleaf weeds.  |
| Roundup   | glyphosate   | Postemergence herbicide which kills most plants. Leaf contact essential. Very safe from human standpoint. May be dangerous to tender, nearby, desirable plants. Apply as a directed spray to weeds. Keep off of desirable plants. Remember Murphy's law- the more valuable the plant is, the more likely you are to mis-direct your spray and injure the plant. Some trees (peaches in particular) may absorb Roundup through the bark.   |
| 2,4-D<br>Trimec<br>Weed-B-Gone  | There are several closely related broadleaf herbicides that are used to make the many different products | Postemergence herbicides which only kill broadleaves. Grasses may be injured if overdosed or applied at times of stress. Desirable broadleaf plants will be injured if contacted by spray. Tomatoes and roses are particularly sensitive to drift.  |
| <b>OTHER HERBICIDES FOR SPECIAL USES</b>  |  |   |
| It is not practical to have a full arsenal of herbicides in your garage. However, these products may be beneficial in certain situations, especially if someone only works in one or two kinds of gardening rather than all three areas (Ornamentals, Turfgrass, and Vegetables). |  |   |
| Preemergence crabgrass control for turf.  | Numerous products  | There are a great variety of preemergence crabgrass treatments for turfgrass. Most of them work quite well. The herbicide Dacthal may be useful because it can also be used on many vegetables and ornamentals. When buying a preemergence crabgrass treatment compare the price per thousand square feet to obtain the best value. <b>MANY PREEMERGENCE CRABGRASS TREATMENTS INJURE OR KILL NEWLY-SEEDED GRASS.</b> Tupersan will allow seeding of cool-season grasses, Ronstar will allow seeding of warm-season grasses. |
| Fusilade  | fluazifop  | Very similar to Poast, however, Fusilade is labeled for a few uses that Poast is not. Postemergence herbicide which only controls grasses. Can damage flower blooms. Follow directions for use of a "surfactant", avoid crop oil. Use on actively growing grass. Will release broadleaf weeds.  |
| Surflan   | oryzalin   | Preemergence herbicide which controls grasses and small-seeded broadleaves. Can be used on several ornamentals and turf.  |
| Devrinol  | napropamide  | Preemergence herbicide which controls grasses and small-seeded broadleaves. A safe material for large amounts of landscape beds and annual plantings.   |
| Many names  | MSMA   | Postemergence crabgrass spray for turfgrass. Also causes burn and yellowing on turf. Sometimes sold as a "nutgrass" control. MSMA will suppress nutsedge, but control is weak and is offset by turf injury.   |
| Basagran  | bentazon   | Good option for postemergence control of yellow nutsedge in turf. Does not control purple nutsedge which is common in the deep south. Also controls some broadleaf weeds and is labeled for a few vegetables.   |
| Acclaim   | fenoxaprop   | Same active ingredient as Whip or Bugle. Postemergence grass herbicide much like Poast and Fusilade. However Acclaim has minimal activity on fescue and zoysia. Can be used to remove crabgrass and bermudagrass from fescue and zoysia.  |
| Princep   | simazine   | Excellent preemergence herbicide for control of broadleaves on zoysia and bermudagrass turf. <b>Will cause severe injury to cool-season turf (bluegrass, fescue, rye).</b>  |
| Lexone/Sencor   | metribuzin   | Preemergence soybean herbicide for broadleaf control. Tomatoes, potatoes and warm-season turfgrasses are tolerant. <b>Other beans are sensitive to metribuzin.</b> See label warnings regarding tomato injury.  |
| Corn Herbicides   | atrazine, alachlor, metolachlor, 2,4-D, others   | Sweet corn is tolerant to most field-corn herbicides. These herbicides can provide excellent weed control. <b>BUT</b> , Accent and Beacon cause severe injury on certain sweet corn varieties.  |

Because it is extremely difficult to mention all possible trade names, this table mentions only the original, labeled trade name. Other brands are available and should be considered. Mention of a trade name does not constitute recommendation one product over other products of similar nature.

Check with your local farm chemical dealer. The small jars at the discount or garden store are often subject to extreme mark ups. For example small jars of MSMA crabgrass control are often sold for over \$5.00. In cotton-growing areas a hgallon costs only \$7.00. The same situation often occurs with fertilizer.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS. HERBICIDE SELECTIVITY IS NOT ALWAYS LOGICAL: A HERBICIDE WHICH ONLY CONTROLS BROADLEAVES MAY STILL INJURE DESIRABLE GRASSES AND VICE VERSA. ALL USES OF A PARTICULAR HERBICIDE ARE NOT NECESSARILY LABELED FOR ALL BRANDS OF THAT PRODUCT.**