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PREVENTS GROWTH OF TOBACCO SUCKERS
AND SPROUTING OF POTATOES AND ONIONS

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TO ATTACHED COMMENTS

To control sprouting of onions in storage: Apply $5\frac{1}{2}$ pints THOR BRAND MALEIC HYDRAZIDE in 100-150 gallons of water per acre with a ground sprayer. Airplane application can also be made. The spray should be applied when the bulbs are ~~fully mature, have five to eight green leaves, and necks~~ soft enough for the tops to fall if they have not already done so. The spray is often applied when 50 percent of the tops have fallen but all tops are still green. This condition usually occurs about two weeks to 10 days before harvest time. Green tops are essential for the absorption of THOR BRAND MALEIC HYDRAZIDE .

CAUTION: Avoid too early spraying of edible onions. Spongy bulbs might result if spraying is done earlier than two weeks before maturity.

To control sprouting of potatoes in storage: Apply 1 gallon THOR BRAND MALEIC HYDRAZIDE in 30-150 gallons of water per acre by ground equipment. Airplane application can be made in irrigated sections of the country.

Check your field to see if you have a good set of potatoes. THOR BRAND MALEIC HYDRAZIDE is applied when most of the tubers set are approximately one inch in diameter. This occurs when the few lower leaves show a yellow color. In areas where potatoes flower uniformly this is one week after blossoms fall off the vine, usually in August about 4 to 6 weeks before harvest. (See notes 5, 11 and 12.)

To control wild onions and wild garlic in lawns and grass areas along highways (not pasture or crop land): Apply 1 to 2 gallons THOR BRAND MALEIC HYDRAZIDE in 20 to 100 gallons of water per acre in spring or fall when about 90-95 percent of the bulbs have started regrowth. Use on lawns only when grass is brown and dormant.

To prevent sucker development on flue-cured and burley tobacco: THOR BRAND MALEIC HYDRAZIDE, a plant inhibitor, offers a new method of controlling sucker growth by keeping suckers from growing rather than by killing them. Since THOR BRAND MALEIC HYDRAZIDE is

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How to spray: THOR BRAND MALEIC HYDRAZIDE may be applied with either tractor or mule-drawn insecticide sprayer, or with a compressed air shoulder sprayer.

- a. Tractor or mule-drawn insecticide sprayers. Any number of nozzles may be used. Can be applied in the same manner as insecticide, spraying one or more rows at a time, wetting upper 1/2 to 1/3 of plant.
- b. Compressed air shoulder sprayer with single nozzle spraying a wide cone. Spray one side of each tobacco row while walking at a constant rate. Use up and down motion of spray nozzle to moisten upper 6 to 8 leaves of each plant. Apply equal amounts of spray to each plant.

Amount to use: 1 pint THOR BRAND MALEIC HYDRAZIDE per 1,000 plants.
Example: Use 3 quarts THOR BRAND MALEIC HYDRAZIDE for 6,000 plants per acre, or 1 gallon THOR BRAND MALEIC HYDRAZIDE for 8,000 plants per acre. Use not less than 20 gallons of water per acre (from 20 to 50 gallons of water per acre can be used -- see note 9).

To control quackgrass: Apply 1 1/3 gallons THOR BRAND MALEIC HYDRAZIDE in 20 - 100 gallons of water per acre in spring when grass is 4 - 10 inches tall. Four to eight days after spraying plow the sod, rototill, spade, or in some manner turn under the quackgrass leaf growth. Prepare the plowed soil by discing, harrowing, etc. The following crops can be immediately planted: Field and sweet corn, potatoes, Tomatoes, green dry and lima beans, peas, red and sugar beets. (See note 12.)

To inhibit runner growth in spring-bearing strawberries in matted rows: Add 1 quart THOR BRAND MALEIC HYDRAZIDE to 100 gallons of water per acre, then thoroughly spray foliage to point of run-off when plants reach desired density (about 4 to 6 rooted plants per square foot). Most effective results are obtained on varieties such as Blakemore, Dunlap, Robinson, Tennessee Beauty, and Pocahontas that continue producing runners late in growing season. Do not spray after September 15 in middle Atlantic states area. Do not use on everbearing varieties or in spring when berries are present. (See note 12.)

For inducing dormancy in young non-bearing citrus trees in Florida: THOR BRAND MALEIC HYDRAZIDE by inducing dormancy offers protection against frost damage down to 21° F in recent experiments. Add two quarts THOR BRAND MALEIC HYDRAZIDE to 100 gallons water and spray with coarse cone nozzle between November 1 - 15.

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in 20 - 100 gallons of water per acre in spring when grass is 4 - 10 inches tall. Four to eight days after spraying plow the sod, rototill, spade, or in some manner turn under the squakgrass leaf growth. Prepare the plowed soil by discing, harrowing, etc. The following crops can be immediately planted: Field and sweet corn, potatoes, Tomatoes, green dry and Lima beans, peas, red and sugar beets. (See note 12.)

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Important Notice: Since the use of this product is beyond the control of the Seller, the Buyer assumes all risks of use or handling, whether in accordance with directions or not, as the Seller makes no warranty, expressed or implied, concerning this product.

SHAKE WELL BEFORE USING!

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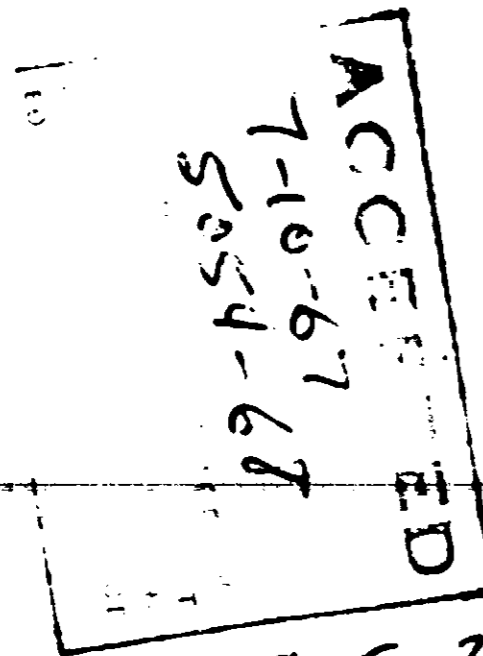
NOTES

Tobacco

1. To control tobacco suckers, apply Thor Brand Maleic Hydrazide at the proper time. Too early spraying may prevent normal development of top leaves. Too late spraying will allow some sucker growth. FULL FLOWER is the stage when 90% of your plants have begun to shed their first flowers.
2. Rains occurring within 12 hours after spraying may reduce effectiveness.
3. Follow dosage recommendations carefully, spray field uniformly and do not use less than the minimum amount of water recommended on tobacco.
4. Thor Brand Maleic Hydrazide has been used successfully with tobacco insecticides but separate application is recommended until further studies are completed.
5. Do not use on tobacco or potato plants grown for seed production.
6. Do not spray tobacco in the middle of hot, dry days when leaves are severely wilted. For best results spray during early morning, all day on cloudy days, avoiding the late afternoon or night applications. (Use a nozzle delivering a fine mist spray. Do not use a broad-jet type of spray.)
7. Closely hand-suckered or THOR BRAND MALEIC HYDRAZIDE - treated tobacco will not ripen as rapidly as poorly suckered tobacco. Also, under some conditions Thor Brand Maleic Hydrazide treated tips have a tendency to turn yellow prematurely. This is not harmful and does not mean that your tobacco is ripe. Therefore, do not harvest THOR BRAND MALEIC HYDRAZIDE - treated tobacco by using time and color of the leaves as your only guide to ripeness. Use other characteristics indicative of ripeness such as:
 - a. Fading of color from midrib.
 - b. Change in apparent leaf texture.
8. If tobacco plants have been grown under drought conditions absorption of THOR BRAND MALEIC HYDRAZIDE will be slow and results may not be as good as plants treated under normal conditions.
9. Too little THOR BRAND MALEIC HYDRAZIDE will result in less than desired control. Too much is wasteful and may cause burning of leaves and may reduce quality of tips.

Other Crops

10. For control of wild onions and garlic do not apply to young seedlings less than one season old or winter pastures consisting of small grains such as rye. Do not pasture livestock in, or cut hay from treated area.
11. Do not apply THOR BRAND MALEIC HYDRAZIDE in combination with Bordeaux.



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12. Spray potatoes, grass and strawberries at least 24 hours before rain. Rain occurring within 24 hours after application will reduce effectiveness.
13. THOR BRAND MALEIC HYDRAZIDE has a low toxicity to man and animals. It is not corrosive to spray equipment. It does not offer drift problems on nearby crops.
14. Rinse spray equipment with water after application.
15. THOR BRAND MALEIC HYDRAZIDE will not freeze even at zero degrees F. Separation of wetting agents occurs at 40° F. Warming from 60° to 70° F with mild agitation restores THOR BRAND MALEIC HYDRAZIDE to original condition.

CONTAINER DISPOSAL

Chop holes top and bottom. Bury 18" below soil surface at safe disposal site. Never reuse for food or water.
