

2. GLADIOLUS

a. WEED CONTROL:

Soil Conditions - For control of weeds the soil should be at fairly moderate levels of moisture and it should be settled by either a good rain or by 1/2" of irrigation. Brushing with a broom or brush is only second best.

Chemicals to Use - When planning to hill later, use Dinitro early, 6 qts. /acre after planting followed by Karmex DW (1-1/2 lbs. /acre) as a directed spray. When not planning to hill later, Karmex DW 1-1/2 lbs. /acre and be used early after planting as a pre-emergence.

- WARNINGS -
1. When applying Karmex DW,, agitate the material constantly.
 2. Karmex W does not have as long lasting effects on control of weeds as DW has.
 3. Karmex DW should not be used twice in the same season, that is, an early application followed by a later application as a directed spray. Karmex may accumulate whereas it is reported that there is no residual effect on the soil from Dinitro.
 4. Dinitro will burn gladiolus if tips show and it may drift to other crops to cause serious damage.

Amount of Chemicals to use for Weed Control:-

<u>DINITRO</u>	<u>Amt. of Water</u>	<u>Area to Cover</u>
1 tablespoon	1 quart	100 sq. ft.
10 tablespoons	2-1/2 gallons	1000 sq. ft.
6 quarts	100 gallons	Acre
<u>*KARMEX DW</u>		
1/2 teaspoon	1 quart	100 sq. ft.
2 tablespoons	2-1/2 gallons	1000 sq. ft.
1-1/2 lbs.	100 gallons	Acre

* Must agitate constantly.

b. GLADIOLUS CORM TREATMENT FOR CONTROL OF DISEASES

1. Thiram plus dieldrin dust (Examples:-Delsan A-D Seed Protectant;Panoram D-31)

Dust corms so that they are thoroughly covered before planting. Research shows that this treatment should control Fusarium yellows, bacterial Scab, and Curvularia Rot.

OR

2. New Improved Ceresan
Soak corms 15 minutes in a 2 pounds per 100 gallon solution. Add 10 fluid oz. spreader-sticker.
Reports from Canada indicate that this treatment may be satisfactory where Curvularia Corm Rot has been a problem. Partially dry corms; then plant immediately.
Where Stromatinia (Sclerotinia) has been a problem, try the new fungicide Botran applied as a 4% dust to the corms. This gave excellent results in Illinois.

c. CONTROL OF INSECTS

Thrips: Spray or dust plants every 10 days with DDT or Lindane. Because of the inability of gladiolus foliage to hold sprays, dusting may be more effective for this crop. Use strengths recommended by the manufacturer.

d. FERTILIZER FOR GLADIOLUS

Apply first application when crop is 8" to 12" tall by adding 1/2 lb. of a 5-10-10 on each side of a 100 foot row of crop. Avoid fertilizers having high analysis of organic nitrogen as nitrogens of this type favor diseases of the corms. A second application may be added 3-4 weeks later at the same rate.