



Your Full Service Nursery & Landscape Center  
Since 1987  
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## GRUB INFORMATION

Grubs are fat, white insects that burrow in the ground eating the tender roots of many types of plants including lawn grass. They are milky white, from 1/8<sup>th</sup> inch to 1 inch long with brown heads and three pairs of legs. They lie curled in the soil, usually near the surface. They are the larvae of different kinds of beetles, including May and June beetles, Asiatic, Japanese and masked chafer beetles. The adult beetles do not damage the lawn, but do lay eggs in the soil. May and June beetles lay eggs in the spring and summer. The others lay eggs in mid to late summer. The eggs hatch and the larvae, (grubs) feed on roots 1-3 inches deep in the soil. In the late fall they move deep in the soil to over-winter and resume feeding in the spring. Grubs can kill an entire lawn if not controlled. Usual signs of lawn damage occur in late summer where the grass turns brown in large irregular patches. Brown areas of grass roll up easily like a carpet because the grubs have eaten the roots. Plants damaged by grubs often just fall over because the grubs have eaten the roots or badly damaged them.

The younger the grubs are, the easier they are to kill. Apply Hi-Yield Kill-A-Grub according to directions when you first notice damage or grubs in the soil or lawn. For preventive control, apply the insecticide just after eggs are laid. Water the lawn thoroughly within 1 hour after application to help carry the insecticide into the root zone. In planted areas or beds, apply Kill-A-Grub by working it into the soil, using 1 pound per 500 square feet. Make sure the area gets well watered. DO NOT use Kill-A-Grub in vegetable gardens or herb beds. For those areas, any product which contains *Bacillus thuringiensis*, (also known as BT) such as Dipel can be used several times a year as a preventative measure. This is a non-toxic biological control.

The best way to keep ahead of grubs is to check your soil often and watch your lawn for signs of damage. Then treat accordingly.

