

terial, and apparently there is no survival through the following winter.

Contrasts between the adult Big-eyed Bug and the chinch bug are clearly evident in the accompanying illustration. Since these insects are about the same size, and both very small (to 1/5 inch long), a hand magnifying lens is most valuable. An inexpensive 10x hand lens (for \$1.50 or less) will suffice. In the illustration note the huge eyes of the Big-eyed Bug, giving the insect body a "chopped off" appearance in contrast to the tiny eyes and small triangular head of the true chinch bug.

Adults

Big-eyed Bug (*Geocoris bullatus*)

A rather robust appearance
Large protruding eyes
Body color—generally a pithy

black, a reddish yellow tinge on the under or vertical surface

Blackish leg color
A rather rapid mover

Chinch Bug (*Blissus hirtus*)

A more slender body shape
Eyes smaller, not nearly so bulging
Characteristic whitish wings and black body
Reddish leg color
Moves much slower in contrast to *Geocoris*.

Both insects about 1/6 to 1/5 inch in length.

Nymphs

Similar to adults in appearance but not winged.
First two instars have characteristic banding.

To date, the Big-eyed Bug can not be blamed for any turf dam-

age. Thus it will behoove anyone who is to embark on an expensive spray program to learn what these insects look like. It may save some time and, to be sure, some money. But don't jump to conclusions! Some chinch bugs aren't but there are a lot of chinch bugs that are!

Spell It Out in Grass Via Warren's Monogram

Now you can spell out whatever message you desire in living grass, according to Warren's Nurseries, Palos Park, Ill.

Warren's Monogram Bluegrass, soon to be available to the public, can be used to spell out the name and address of home owner or business corporation. Lighter in color than Merion, for example, it stands out from the other grass in which it is planted.

BIG BRUTE TURF CUTTER

REQUEST an 8mm

color movie film of the
cutter at work,

FINLAND TURF CUT,

18035 Georgia Ave.,

Olney, Md. 20832



U.S. Pat. No. 3,357,499

The **BIG BRUTE** is for the professional who demands maximum efficiency for greater production. It is the latest advance in turf cutter engineering for high production performance in any soil conditions. Proven in the fields since 1963 by professionals. The **BIG-BRUTE** is the fastest turf cutter machine in production. The cutter is driven by a three point hitch tractor and its P.T.O., at speeds of low, second, and third, depending on soil conditions. This cutter has yield 33¼ sq. yards a minute in second gear, and 3 to 4 acres in a 8 hour day. The average blade life will give you from 6 to 15 acres, and the side coulters will yeild 25 to 35 acres, all blades and side cutting coulters are guaranteed never to break under any turf cutting conditions.

CIRCLE No. 14 READER CARD