

The
FLORIDA BUGGIST

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Fumigation of citrus trees may be revived in Florida. The Roessler and Hasslacher Chemical Company is conducting extensive demonstrations at Windermere and elsewhere in Florida. Improved methods of generating and discharging the gas under the tents by means of a machine greatly simplify and shorten the operations. Particulars may be obtained by addressing Mr. J. B. Dales, Pine Tree Inn, Windermere, Fla.

THE CALIFORNIA DELPHASTUS

The whitefly-eating lady-beetle (*Delphastus catalinae*) continues to multiply in several Florida groves at a most gratifying rate. In the grove near Bradentown they are present in countless thousands and arrangements have been perfected for shipping these beetles from there to different parts of the state. It is desired to introduce them into all citrus communities. It is thought that enough are now in sight to supply a colony to any grower who desires one. Anyone interested should apply to his county agent or to the Department of Entomology of the Experiment Station. A small charge, sufficient only to defray the cost of collecting and packing, is made for these.—J. R. W.

AN OUTBREAK OF THE COTTON STAINER ON CITRUS

Citrus and avocado growers in some of the southern counties of the state where, in order to escape the boll weevil, cotton has been raised this season, are having trouble with the Cotton Stainer (*Dysdercus saturellus* (H. S.)). This bug is a pyrrhocorid with deep red body and black wings and is sometimes called the "red bug." This is a common name for the cotton stainer in the West Indies and would be appropriate and desirable for Florida were it not preoccupied by those pestiferous mites, the larvae of *Trobidium*, with which we are all too well acquainted.

On citrus the cotton stainer does about the same type of dam-