

NEMATODE POPULATIONS ON ROUNDUP-READY COTTON IN FLORIDA

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INTERPRETIVE SUMMARY

The use of cotton varieties tolerant to the herbicide Roundup is increasing in the southern United States. However, as the use of new varieties increases, so does the potential for buildup of pest problems characteristic of those varieties. Three experiments were conducted in north central Florida during 1997 and 1998 to examine the buildup of plant-parasitic nematodes on Roundup-ready

cotton varieties. In general, the buildup of plant-parasitic nematodes on Roundup-tolerant and Roundup-intolerant cotton varieties was similar. The various kinds of nematodes which occurred in these cotton crops are discussed in detail.

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