

EFFICACY OF EDN FUMIGANT FOR CONTROLLING TOMATO SOIL-BORNE PESTS IN FLORIDA

Booker, B*. Sances, F., McConville, K., & Washington, JR.

* Florida Ag Research. Thonotosassa, FL, USA

The efficacy of EDN hot gas applied through drip tape (alone or with shanked in Chloropicrin) and compared to shanked in Chloropicrin and Pic-Clor 60 was tested at the Florida Ag Research farm in late spring of 2017 on sandy soil. Charger variety fresh market tomatoes were transplanted into beds approximately one month after application. Despite early detriments to crop health in plots treated with EDN near trial initiation, recovery was observed and by trial end EDN-treated plot yields were among the highest of all treatments. Disease, nematode and weed pest control improved as rates of EDN increased and adding Chloropicrin to the EDN-treated plots boosted performance as compared to either soil fumigant applied alone.