anor minimizers while the second had only thisomodal. The second trial did have a mix of vertices, one of which has substantial resistance to rhizomania. Then of course there are curnerous (actors involving the application itself soil type, soil measure, soil texture, soil temperature, toruther conditions at application and following upplication.

Results from these trints indicate that metam can be effective on sharits in reducing beens to root knot nematodes and thizomatic. Three-tiend winged space blads, uppear to be an effective tool for placing metam in the top 12-14 inches of the neil profile. More trials, both m arowars' fields and under more controlled conditions, are needed to test the consistence.

Wisler, G.C.*, J.E. Duffus, and H.-Y. Liu. USDA, Agricultural Research Service, 1636 E Alisal St., Salinas, CA 93905.000 -Partial characterization of some furoviruses infecting sugarbeet. Several soil-borne, rod-shaped virus isolates from sugarbeet from the U.S. were compared using antisera to structural and nonstructural proteins (courtesy H.-Y. Liu and K. Richards) of beet necrotic yellow vein virus (BNYVV) by western blot analyses. Antisera to the C-terminal 1/3 of the BNYVV capsid protein was highly specific, reacting only to BNYVV isolates. Antisera to the whole capsid protein reacted with all BNYVV isolates, with a MW of ca. 22 kDa, and also cross-reacted with several other rod-shaped, soil-borne virus isolates of sugarbeet (Liu and Duffus, 1988), from Texas, Nebraska, and Idaho, with a MW of ca. 23 kDa. Antisera to the 75 kDa and 14 kDa proteins were specific to BNYVV. In contrast, antisera to the 42 kDa protein reacted with all BNYVV isolates showing a MW of ca. 42 kDA, and also with the related sugarbeet isolates showing a MW of ca. 43 kDa. Antisera to the 25 kDa protein, which corresponds to RNA 3, reacted only with recently recovered isolates of BNYVV, but not with one which had been maintained by mechanical inoculation for several years. Thus, antisera to the C-terminus of the coat protein, the 75 kDa protein, and 14 kDa protein appear to be specific to BNYVV isolates, whereas the 42 kDa protein appears to be conserved among BNYVV and related furo-like virus isolates from Texas, Nebraska, and Idaho.