Protocol for Nematrol Efficacy Trials

1. The trial should include an untreated control, a minimum of three replicates per treatment, and a range of rates representative of the label claims.

2. The trial will be more meaningful if comparisons are made to a nematicide currently registered for the crop of interest. Otherwise comparisons should be made to untreated control plots.

3. The trial should be conducted in some type of a randomized design.

4. The common name of the test plant should be given.

5. The presence of the desired genera of plant parasitic nematodes, and their number in the soil, should be established by sampling prior to initiation of the trial.

6. Nematode sampling to demonstrate reductions should be conducted at least six weeks after applying treatments. A brief description of the sampling and extraction procedure should be included in the report (eg. a 10 soil core composite per replicate taken to a 12 inch depth, extracted via elutriation etc.).

7. Post-treatment counts should be taken (at six week intervals) through the growing season.

8. Counts for each genus of plant parasitic nematode present should be made and reported separately (specific names should also be included).

9. Observations of phytotoxicity should be made.

10. A statistical analysis of results should be presented.

11. A description of soil type, amount of organic matter present, and pH would be helpful in comparing results among trials as these factors typically affect movement of nematicides through soil.

12. If the label claims "Nematode Control", then the data should substantiate this claim and not yield increase only.

13. Data generated using this protocol <u>may not be accepted</u> if the data fails to establish the effectiveness of Nematrol in controlling nematodes listed on the label.

10/2/95