

SUMMARY

The tolerance of Groundnut (Arachis hypogea) to application of the Sodium salt of MCPB has been investigated, both in greenhouse experiments, and in the field. Variation of the tolerance under different conditions of time of spraying, rainfall, and planting depth was investigated in relation to spraying before and after emergence.

Pre-emergence the crop is most tolerant shortly before emergence, when 3 lbs. of the active ingredient per acre will not permanently damage the plants, or significantly reduce germination, subsequent growth, or final yield.

Post-emergence the crop is most tolerant at three weeks from emergence (spraying later than this is to be avoided as the Groundnuts will be in flower), when 4 lbs. of the active ingredient per acre will not cause permanent damage to the plants, significantly reduce dry weight gain by the plants, or their final yields.

Brief results of an initial experiment with Soya Bean (Glycine soja) are also shown.