NOTE

AMMONIUM THIOCYANATE AS A WEED ERADICANT

Ammonium thiocyanate has been known for many years to be a plant poison, yet it has not been applied for weed eradication. Suggestion of the use of this compound was made by Dr. Paul Peterson of the Kopper's Research Laboratory, and samples of ammonium thiocyanate, crude thiocyanate liquor, and a liquor containing tarry residues (called "Weed Killer") were supplied by the Kopper's Company for our experiments.

The ammonium thiocyanate in crude crystalline form was applied both dry and in water dilution. Ammonium thiocyanate is very soluble in water and can be made up in as high concentration as 8 pounds per gallon of water. A more dilute solution, 2 pounds per gallon, is more desirable for use with a sprayer. The thiocyanate liquor and "Weed Killer" were applied in dilutions of 1-100, 1-10, and 1-5, using 1 gallon per square rod. The thiocyanate liquor contained approximately 20% ammonium thiocyanate.