Hydrocyanic Acid Gas.  
1 oz. Cyanide of Potash,  
2 ozs. Sulphuric Acid, 4 ozs. Water.  
For each 100 cu. ft. space.  
For dormant stock place the acid and water in an earthen jar in the house, drop in the cyanide and close the house at once for half an hour.  
Ventilate for ten minutes before entering. In greenhouse use 1 oz. of cyanide for each 1000 cu. ft. of space.  

CARBON DISULPHIDE.  
To kill insects infesting stored grain, in tight bins, use 1 lb. for 100 bushels of grain.  

COMMON SOAP.  
1 lb. in 8 gals. Water.  
Spray upon foliage to kill red spider, plant-lice and other sucking insects.  

PARIS GREEN.  
1 lb. Paris Green,  
3 lbs. Lime,  
300 gals. Water.  
Spray upon foliage to kill potato beetle, elm leaf-beetle, and all biting insects. Commonly used with Bordeaux Mixture.  

ARSENATE OF LEAD.  
3 lbs. in 50 gals. Water.  
Applied to foliage for the same end and in the same way as Paris Green.  

“SOLUBLE OIL” FOR SPRAYING.  
“Scalecide,” “Target Brand Scale Destroyer” and “Kill-fl-scale” give good results when mixed 1 part with 15 parts of water. Can also be made at home. See Bulletins 75 and 79, Delaware Station, and Storrs Station Bulletin 49.  

OUTER REPULSIVE.  
To repel pigeons and other birds, dissolve 1 lb. of Paris Green in 10 gals. of water, and pour upon the plants.  

COPPER SULPHATE.  
2 to 3 lbs. Copper Sulphate,  
50 gals. Water.  
Use only as a winter spray.  

POTASSIUM SULPHIDE.  
3 ozs. Potassium Sulphide,  
10 gals. Water.  
Used chiefly in greenhouses, or for powder mildews.  

FORMALIN.  
A. 1 pt. (1 lb.) Formalin in 50 gals. water for grain smut.  
B. 1 pt. Formalin in 30 gals. water for potato scab.  

5 ozs. Copper Carbonate,  
3 pts. Ammonia,  
50 gals. Water.  
Use just enough ammonia (if strong, diluted with several volumes of water) to dissolve the copper carbonate; then dilute to final volume. This fungicide is not as good as Bordeaux, but is used where no sediment is desired on the foliage or fruit.
Three Types of Barrel Pumps.

Some Spray Nozzles in Common Use.