

With pesticide – Counter Test A – OP Trace

Average N = 117.8 mg/kg

Average P = 41.8 mg/kg

Average K = 58.5 mg/kg

Broccoli sample mass = 10 g -> 0.010 kg

Pesticide amount = 1 ml (For controlled)

% of N of solution w/ pesticide = (117.8 mg/kg) (0.010 kg)

= 1.178 mg -> 0.001178 g

= 0.001178 g / 1 ml

= 0.001178 g / ml x 100

= 0.1178% Nitrogen in solution w/pesticide

% of P of solution w/ pesticide = (41.8 mg/kg) (0.010 kg)

= 0.418 mg -> 0.000418 g

= 0.000418 g / 1 ml

= 0.001178 g / ml x 100

= 0.0418% Phosphorus in solution w/pesticide

% of K of solution w/ pesticide = (58.5 mg/kg) (0.010 kg)

= 0.585 mg -> 0.000585 g

= 0.000585 g / 1 ml

= 0.000585 g / ml x 100

= 0.0585% Potassium in solution w/pesticide