PHESCO International, L.L.C.

U.S Standard Measures

Distance
1 foot =12 inches
1 yard =3 feet
1 statute or land mile =5,280 feet

Liquid Measure
8oz. =1 cup
4 cups =1 quart
1 quart =2 pints
4 quarts =1 gallon

Area
1 square foot =144 square inches
1 square yard =9 square feet
1 acre =43,560 square feet
1 square mile =640 acres

Weight
1 pound =16 ounces
1 gram =.04 ounce
1 kilogram =2.2 pounds

Application Rates at 10 MPH

Ounces / Minute	2.5	3.0	4.3	6.0	8.0
Gallons / Hour	1.17	1.4	2.0	2.8	3.75

Find Cost per Acre

(A) Add cost for concentration and solvent oil or diluent
(B) Divide by total gallons of mix
(C) Multiply (B) times gallons per hour
(D) Divide (C) by acres per hour

Finding Active Ingredient per Acre Using Normal Condition Standards

A) Divide active ingredient by 128
B) Multiply the sum by ounces per acre

Example

Using Kontrol 4+4 @ 6oz/min (1oz per acre) @ 10 MPH and the above formula

A) .3 divided by 128 =.00234375
B) .00234375 x 1.0 =.00234375
C) Active ingredient/acre =.00234375

Flow Rate Examples
6oz/min @ 10 MPH =1oz/acre dosage
9oz/min @ 10 MPH =1.5oz/acre dosage

Acres per Minute Covered @ MPH Standards
6acres/min @ 10 MPH
9acres/min @ 15 MPH
12acres/min @ 20 MPH

Note 1: If using a concentrated product, first divide active ingredient by dilution ratio, then apply formula above.

Note 2: Most truck mounted ULV sprayers, under normal conditions, cover a 300' wide swath. This same sprayer traveling 10 MPH will cover 363.6 acres per hour.