TEXAS A&M AgriLife EXTENSION

WEIGHTS & MEASURES

43,560 square feet = 1 acre

5,280 feet = 1 mile

1 acre measures 208.71 ft on each side

LIQUID MEASURES:

1 gallon = 4 quarts = 8 pints= 128 fluid oz

1 pint = 16 oz

1 quart = 2 pints = 32 fluid oz

1 cup = ½ pint = 8 oz

2 cups = 1 pint = 16 fluid oz

2 tablespoons= 6 teaspoons= 1/8 cup-1fluid oz

1 pound = 16 oz

1 gallon of water = 8.345 pounds

DRY MEASURES:

4 oz = 1/4 pound

16 oz = 1 pound

8 quarts = 1 peck

4 pecks = 1 bushel

Compliments of

Texas A&M AgriLife Extension Service
Harrison County

CALIBRATION MADE SIMPLE

Boom Sprayers

1. Measure nozzle spacing.
2. Refer to chart below for length of calibration course
3. Measure and mark calibration course as indicated in the chart.
4. Set gear and rpm that will be used in the field.
5. Drive course at determined gear and rpm.
6. Record time required to drive course.
7. Park sprayer, maintain same rpm as used to drive course.
8. Turn on sprayer, catch water from one nozzle for time required to drive course.
9. OUNCES CAUGHT = GALLONS PER ACRE.

Nozzle Spacing	Length of Calibration Course
18 inches	226 feet
19 inches	214 feet
20 inches	204 feet
24 inches	170 feet
30 inches	136 feet
40 inches	102 feet

Boomless Sprayers (Cluster Nozzle)

1. Measure effective spray swath.
2. Refer to chart below for length of calibration course.
3. Measure and mark calibration course as indicated in the chart.
4. Set gear and rpm that will be used in the field.
5. Drive course at determined gear and rpm.
6. Record time required to drive course.
7. Park sprayer, maintain same rpm as used to drive course.
8. Turn on sprayer and catch water for time required to drive course.
9. PINTS CAUGHT = GALLONS PER ACRE.

Effective Swath Width	Length of Calibration Course
15 feet	363 feet
20 feet	272 feet
22 feet	248 feet
24 feet	227 feet
26 feet	209 feet
28 feet	194 feet
30 feet	182 feet
35 feet	156 feet
40 feet	136 feet
45 feet	121 feet
50 feet	109 feet