



## JULY 2011

WK	sun	mon	tue	wed	thu	fri	sat
26						1	2
27	3	4	5	6	7	8	9
28	10	11	12	13	14	15	16
29	17	18	19	20	21	22	23
30	24/ <sub>31</sub>	25	26	27	28	29	30

## AUGUST 2011

WK	sun	mon	tue	wed	thu	fri	sat
31		1	2	3	4	5	6
32	7	8	9	10	11	12	13
33	14	15	16	17	18	19	20
34	21	22	23	24	25	26	27
35	28	29	30	31			

## SEPTEMBER 2011

WK	sun	mon	tue	wed	thu	fri	sat
35					1	2	3
36	4	5	6	7	8	9	10
37	11	12	13	14	15	16	17
38	18	19	20	21	22	23	24
39	25	26	27	28	29	30	

## OCTOBER 2011

WK	sun	mon	tue	wed	thu	fri	sat
39							1
40	2	3	4	5	6	7	8
41	9	10	11	12	13	14	15
42	16	17	18	19	20	21	22
43	23/ <sub>30</sub>	24/ <sub>31</sub>	25	26	27	28	29

## NOVEMBER 2011

WK	sun	mon	tue	wed	thu	fri	sat
44			1	2	3	4	5
45	6	7	8	9	10	11	12
46	13	14	15	16	17	18	19
47	20	21	22	23	24	25	26
48	27	28	29	30			

## DECEMBER 2011

WK	sun	mon	tue	wed	thu	fri	sat
48					1	2	3
49	4	5	6	7	8	9	10
50	11	12	13	14	15	16	17
51	18	19	20	21	22	23	24
52	25	26	27	28	29	30	31

## JANUARY 2012

WK	sun	mon	tue	wed	thu	fri	sat
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31				

## FEBRUARY 2012

WK	sun	mon	tue	wed	thu	fri	sat
5				1	2	3	4
6	5	6	7	8	9	10	11
7	12	13	14	15	16	17	18
8	19	20	21	22	23	24	25
9	26	27	28	29			

## MARCH 2012

WK	sun	mon	tue	wed	thu	fri	sat
9					1	2	3
10	4	5	6	7	8	9	10
11	11	12	13	14	15	16	17
12	18	19	20	21	22	23	24
13	25	26	27	28	29	30	31

## APRIL 2012

WK	sun	mon	tue	wed	thu	fri	sat
14	1	2	3	4	5	6	7
15	8	9	10	11	12	13	14
16	15	16	17	18	19	20	21
17	22	23	24	25	26	27	28
18	29	30					

## MAY 2012

WK	sun	mon	tue	wed	thu	fri	sat
18			1	2	3	4	5
19	6	7	8	9	10	11	12
20	13	14	15	16	17	18	19
21	20	21	22	23	24	25	26
22	27	28	29	30	31		

## JUNE 2012

WK	sun	mon	tue	wed	thu	fri	sat
22						1	2
23	3	4	5	6	7	8	9
24	10	11	12	13	14	15	16
25	17	18	19	20	21	22	23
26	24	25	26	27	28	29	30

## JULY 2012

WK	sun	mon	tue	wed	thu	fri	sat
27	1	2	3	4	5	6	7
28	8	9	10	11	12	13	14
29	15	16	17	18	19	20	21
30	22	23	24	25	26	27	28
31	29	30	31				

## AUGUST 2012

WK	sun	mon	tue	wed	thu	fri	sat
31				1	2	3	4
32	5	6	7	8	9	10	11
33	12	13	14	15	16	17	18
34	19	20	21	22	23	24	25
35	26	27	28	29	30	31	

## SEPTEMBER 2012

WK	sun	mon	tue	wed	thu	fri	sat
35							1
36	2	3	4	5	6	7	8
37	9	10	11	12	13	14	15
38	16	17	18	19	20	21	22
39	23/ <sub>30</sub>	24	25	26	27	28	29

## OCTOBER 2012

WK	sun	mon	tue	wed	thu	fri	sat
40		1	2	3	4	5	6
41	7	8	9	10	11	12	13
42	14	15	16	17	18	19	20
43	21	22	23	24	25	26	27
44	28	29	30	31			

## NOVEMBER 2012

WK	sun	mon	tue	wed	thu	fri	sat
44					1	2	3
45	4	5	6	7	8	9	10
46	11	12	13	14	15	16	17
47	18	19	20	21	22	23	24
48	25	26	27	28	29	30	

## DECEMBER 2012

WK	sun	mon	tue	wed	thu	fri	sat
48							1
49	2	3	4	5	6	7	8
50	9	10	11	12	13	14	15
51	16	17	18	19	20	21	22
52	23/ <sub>30</sub>	24/ <sub>31</sub>	25	26	27	28	29

### IMPORTANT DATES

	2011	2012
New Year's Day	Jan 1	Jan 1
Valentine's Day	Feb 14	Feb 14
St. Patrick's Day	March 17	March 17
Palm Sunday	April 17	April 1
Good Friday	April 22	April 6
Easter	April 24	April 8
Mother's Day	May 8	May 13
Victoria Day (Canada)	May 23	May 21
Memorial Day	May 30	May 28
Father's Day	June 19	June 17
Canada Day	July 1	July 1

Independence Day	July 4	July 4
Civic Holiday (Canada)	Aug 1	Aug 6
Labor Day	Sept 5	Sept 3
Grandparent's Day	Sept 11	Sept 9
Yom Kippur	Oct 8	Sept 26
Thanksgiving (Canada)	Oct 10	Oct 8
Veterans Day	Nov 11	Nov 11
Remembrance Day (Can)	Nov 11	Nov 11
Thanksgiving (US)	Nov 24	Nov 22
Hanukkah	Dec 21	Dec 9
Christmas	Dec 25	Dec 25

### 2011 2012

July 4	July 4
Aug 1	Aug 6
Sept 5	Sept 3
Sept 11	Sept 9
Oct 8	Sept 26
Oct 10	Oct 8
Nov 11	Nov 11
Nov 11	Nov 11
Nov 24	Nov 22
Dec 21	Dec 9
Dec 25	Dec 25

### JOLLY FARMER EARLY ORDER DISCOUNT DEADLINES:

Spring Cuttings	Sept 30, 2011
Spring Plugs	Nov 1, 2011
Mum & Aster Cuttings	Feb 1, 2012
Cyclamen Liners & Poinsettia Cuttings	Feb 1, 2012
Summer/Fall	June 1, 2012

# Units of Measure

**Jolly Farmer®**

## U.S. UNITS OF MEASURE

### LINEAR MEASURE

12 inches	1 foot
3 feet	1 yard
5½ yards	1 rod
40 rods	1 furlong
8 furlongs (5280 ft)	1 statute mile
3 nautical miles	1 league

### SQUARE MEASURE

144 sq inches	1 sq foot
9 sq feet	1 sq yard
43,560 sq feet	1 acre

### CUBIC MEASURE

1,728 cu in	1 cu foot
27 cu ft	1 cu yard
128 cu ft	1 cord (wood)
40 cu ft	1 ton (shipping)
2,150.42 cu in	1 standard bushel
231 cu in	1 U.S. standard gallon
1 cu ft	about 4/5 of a bushel

### LIQUID MEASURE

50-60 drops	1 teaspoon
3 teaspoons	1 Tablespoon
2 Tablespoons	1 fluid ounce
8 fluid ounces	1 cup
2 cups	1 pint
2 pints	1 quart
4 quarts	1 gallon
31.5 gallons	1 barrel

### DRY MEASURE

3 teaspoons	1 Tablespoon
16 Tablespoons	1 cup
2 cups	1 pint
2 pints	1 quart
8 quarts	1 peck
4 pecks	1 bushel

## TEMPERATURE

To convert Fahrenheit to Centigrade (Celsius): Subtract 32 and multiply by .55 (68° F minus 32 x .55 = 20° C)

To convert Centigrade to Fahrenheit: Multiply by 1.8 and add 32 (20° C x 1.8 + 32 = 68° F)

## METRIC UNITS OF MEASURE

### LINEAR MEASURE

10 millimeters	1 centimeter
10 centimeters	1 decimeter
10 decimeters	1 meter
10 meters	1 dekameter
10 dekameters	1 hectometer
10 hectometers	1 kilometer

### SQUARE MEASURE

100 sq millimeters	1 sq centimeter
100 sq centimeters	1 sq decimeter
100 sq decimeters	1 sq meter
100 sq meters	1 sq dekameter
100 sq dekameters	1 sq hectometer
100 sq hectometers	1 sq kilometer

### CUBIC MEASURE

1000 cubic millimeters	1 cubic centimeter
1000 cubic centimeters	1 cubic decimeter
1000 cubic decimeters	1 cubic meter

### WEIGHTS

10 milligrams	1 centigram
10 centigrams	1 decigram
10 decigrams	1 gram
10 grams	1 dekagram
10 dekagrams	1 hectogram
10 hectograms	1 kilogram
100 kilograms	1 quintal

### AREA

1 acre	43,560 sq feet
1 acre	4,840 sq yards
1 acre	0.4047 hectares

1 hectare	107,636.76 sq feet
1 hectare	4,840 sq yards
1 hectare	2.471 acres

## LIQUID CONVERSIONS

1 pt/100 gal	1 tsp/gal
1 qt/100 gal	2 tsp/gal
1 teaspoon	1/3 Tbsp or 1/6 ounce
1 Tablespoon	3 tsp or 1/2 ounce
1 fluid ounce	2 Tbsp or 6 tsp
1 cup	1/2 pint, 16 Tbsp, 48 tsp, or 8 ounces
1 quart	2 pints, 4 cups, 64 Tbsp, or 32 ounces
1 gallon	4 qts, 8 pints, 16 cups, or 128 ounces

## PARTS PER MILLION

1 oz/100 gal = 75 ppm

To determine parts per million (ppm) of an element in a fertilizer, simply multiply the percent of that element by 75. The answer will be the ppm of the element per ounce of the fertilizer in 100 gallons of water.

Example: 20-10-20 contains 20% Nitrogen. 20% multiplied by 75 is 15, which is the ppm of Nitrogen in 1 ounce of 20-10-20 per 100 gallons of water. Therefore, if 200 ppm N is desired, divide 200 by 15 = 13.3 oz. 13.3 oz of 20-10-20 are required to produce a 200 ppm N solution in 100 gals of water.

A simple formula can also be used: ppm desired divided by 75 divided by the decimal expression of nutrient desired = oz of fertilizer to use in 100 gals water.

Example: how much 20-10-20 fertilizer should you use to obtain a 200 ppm Nitrogen solution?

$$\frac{200 \text{ ppm divided by } 75}{.20} = 13.3 \text{ oz/100 gals of water}$$

## U.S. and METRIC EQUIVALENTS

### LINEAR MEASURE

1 inch	2.54 centimeters
1 foot	0.3048 meters
1 yard	0.9144 meters
1 mile	1.6093 kilometers
0.03937 inch	1 millimeter
39.37 inches	1 meter
1.0936 yard	1 meter
0.62137 mile	1 kilometer

### SQUARE MEASURE

1 sq inch	6.4516 sq centimeters
1 sq foot	0.0929 sq meters
1 sq yard	0.83613 sq meters
1 sq mile	2.59 sq kilometers
0.15500 sq inch	1 sq centimeter
0.10764 sq foot	1 sq decimeter
1.2060 sq yard	1 sq meter
0.38608 sq mile	1 sq kilometer

### CUBIC MEASURE

1 cubic inch	16.387 cu centimeters
1 cubic inch	0.016387 liter
1 cubic foot	0.028317 cubic meter
1 cubic yard	0.76455 cubic meter
1 cubic mile	4.16818 cubic kilometers
0.061023 cu inch	1 cubic centimeter
35.315 cubic feet	1 cubic meter
1.3079 cubic yard	1 cubic meter
0.23990 cubic mile	1 cubic kilometer

### LIQUID MEASURE

1 fluid ounce	29.573 milliliters
1 quart	0.94635 liter
1 gallon	3.7854 liter
0.033814 fluid ounce	1 milliliter
1.0567 quarts	1 liter
0.26417 gallons	1 liter

### DRY MEASURE

1 teaspoon	4.9 milliliters
1 milliliter	0.204 teaspoons
1 cup	237 milliliters
1 milliliter	.0042 cups
1 Tablespoon	14.8 milliliters
1 milliliter	0.0676 Tablespoons
1 quart	1.1012 liters
1 peck	8.8098 liters
1 bushel	35.239 liters
0.90808 quart	1 liter
0.11351 peck	1 liter
0.028378 bushel	1 liter

### WEIGHTS

1 grain	0.064799 gram
1 ounce	28.35 grams
1 pound	0.453359 kilogram
1 short ton (U.S. 2000 lbs)	0.90718 metric tons
1 long ton (U.K. 2240 lbs)	1.0160 metric tons
15.432 grains	1 gram
0.035274 ounce	1 gram
2.2046 ounce	1 kilogram
1.1023 short ton	1 metric ton
0.98421 long ton	1 metric ton
1 metric ton	2204.623 lbs