

2025 retail ready

CALENDAR

J A N

S	M	T	W	T	F	S
1			1	2	3	4
2	5	6	7	8	9	10
3	12	13	14	15	16	17
4	19	20	21	22	23	24
5	26	27	28	29	30	31

M A Y

S	M	T	W	T	F	S
18				1	2	3
19	4	5	6	7	8	9
20	11	12	13	14	15	16
21	18	19	20	21	22	23
22	25	26	27	28	29	30

S E P

S	M	T	W	T	F	S
36		1	2	3	4	5
37	7	8	9	10	11	12
38	14	15	16	17	18	19
39	21	22	23	24	25	26
40	28	29	30			

F E B

S	M	T	W	T	F	S
5						1
6	2	3	4	5	6	7
7	9	10	11	12	13	14
8	16	17	18	19	20	21
9	23	24	25	26	27	28

J U N

S	M	T	W	T	F	S
23	1	2	3	4	5	6
24	8	9	10	11	12	13
25	15	16	17	18	19	20
26	22	23	24	25	26	27
27	29	30				

O C T

S	M	T	W	T	F	S
40		1	2	3	4	
41	5	6	7	8	9	10
42	12	13	14	15	16	17
43	19	20	21	22	23	24
44	26	27	28	29	30	31

M A R

S	M	T	W	T	F	S
9						1
10	2	3	4	5	6	7
11	9	10	11	12	13	14
12	16	17	18	19	20	21
13	23/30	24/31	25	26	27	28

J U L

S	M	T	W	T	F	S
27		1	2	3	4	5
28	6	7	8	9	10	11
29	13	14	15	16	17	18
30	20	21	22	23	24	25
31	27	28	29	30	31	

N O V

S	M	T	W	T	F	S
44						1
45	2	3	4	5	6	7
46	9	10	11	12	13	14
47	16	17	18	19	20	21
48	23/30	24	25	26	27	29

A P R

S	M	T	W	T	F	S
14		1	2	3	4	5
15	6	7	8	9	10	11
16	13	14	15	16	17	18
17	20	21	22	23	24	25
18	27	28	29	30		

A U G

S	M	T	W	T	F	S
31				1	2	
32	3	4	5	6	7	8
33	10	11	12	13	14	15
34	17	18	19	20	21	22
35	24/31	25	26	27	28	29

D E C

S	M	T	W	T	F	S
49	1	2	3	4	5	6
50	7	8	9	10	11	12
51	14	15	16	17	18	19
52	21	22	23	24	25	26
1	28	29	30	31		

HOLIDAYS 2025

New Year's Day	Jan 1
MLK Day ★	Jan 20
Valentine's Day	Feb 14
Family Day ★	Feb 17
Presidents' Day ★	Feb 17
St. Patrick's Day	Mar 17
Palm Sunday	Apr 13

HOLIDAYS 2025

Good Friday	Apr 18
Easter	Apr 20
Mother's Day	May 11
Victoria Day ★	May 19
Memorial Day ★	May 26
Father's Day	Jun 15
Canada Day ★	Jul 1

HOLIDAYS 2025

Independence Day ★	Jul 4
Civic Holiday ★	Aug 4
Labor Day	Sep 1
Thanksgiving ★	Oct 13
Columbus Day ★	Oct 13
Veterans Day ★	Nov 11
Remembrance Day ★	Nov 11

HOLIDAYS 2025

Thanksgiving ★	Nov 27
Christmas	Dec 25

ORDER DEADLINE

Spring Retail Ready
December 1, 2024

UNITS OF MEASURE



AREA

Square Measure US

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

Square Measure Metric

100 sq millimeters.....	1 sq centimeter
100 sq meters.....	1 sq dekameter
100 sq dekameters.....	1 sq hectometer
100 sq hectometers.....	1 sq kilometer

Square Measure Equivalents

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
1.2060 sq yard.....	1 sq meter
0.38608 sq mile.....	1 sq kilometer
1 hectare.....	107,636.76 sq feet
1 hectare.....	11,959.90 sq yards
1 hectare.....	2.471 acres
1 acre.....	43,560 sq feet
1 acre.....	4,840 sq yards
1 acre.....	0.4047 hectares



DISTANCE

Linear Measure US

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

Linear Measure Metric

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

Linear Measure Equivalents

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



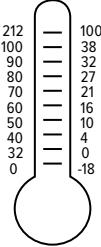
TEMPERATURE

Convert °F to °C

Subtract 32 and multiply by .55
(68°F minus 32 x .55 = 20°C)

Convert °C to °F

Multiply by 1.8 and add 32
(20°C x 1.8 + 32 = 68°F)



WEIGHT

Weight US

1 ounce.....	437.5 grains
16 ounces.....	1 pound
2000 pounds.....	1 ton (US)

Weight Metric

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

Weight Equivalents

1 grain.....	0.064799 gram
1 ounce.....	28.35 grams
1 pound.....	0.45359 kilogram
1 ton (US).....	0.90718 metric tons
15.432 grains.....	1 gram
0.035274 ounce.....	1 gram
2.2046 pounds.....	1 kilogram
1.1023 ton (US).....	1 metric ton
1 metric ton.....	2204.623 lbs



CONCENTRATION

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: $200 \div 15 = 13.3$ 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? $200 \text{ ppm} \div 75 \div 0.20 = 13.3 \text{ oz}/100 \text{ gallons of water}$



CUBIC VOLUME

Cubic Measure US

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
1 cu ft.....	7.48 gallons

Cubic Measure Metric

1000 cubic millimeters	1 cubic centimeter
1000 cubic centimeters	1 cubic decimeter
1 cubic centimeter.....	1 milliliter

Cubic Measure Equivalents

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



DRY VOLUME

Dry Measure Equivalents

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

Dry Measure US

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



LIQUID VOLUME

Liquid Measure US

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

Liquid Measure Equivalents

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
61.024 cubic inches.....	1 liter
1 gallon.....	231 cubic inches
1 pt/100 gal.....	1 tsp/gal
1 qt/100 gal.....	2 tsp/gal
1 teaspoon.....	1/3 Tbsp, 1/6 ounce
1 Tablespoon.....	3 tsp, 1/2 ounce
1 fluid ounce.....	2 Tbsp, 6 tsp
1 cup.....	1/2 pint, 16 Tbsp, 48 tsp, 8 ounces
1 quart.....	2 pints, 4 cups, 64 Tbsp, 32 ounces
1 gallon.....	4 qts, 8 pints, 16 cups, 128 ounces