

# 2023 young plants

## GROWER CALENDAR



2022

JUL

S	M	T	W	T	F	S
26					1	2
27	3	4	5	6	7	8
28	10	11	12	13	14	15
29	17	18	19	20	21	22
30	24/31	25	26	27	28	29

AUG

S	M	T	W	T	F	S
31	1	2	3	4	5	6
32	7	8	9	10	11	12
33	14	15	16	17	18	19
34	21	22	23	24	25	26
35	28	29	30	31		

SEP

S	M	T	W	T	F	S
35				1	2	3
36	4	5	6	7	8	9
37	11	12	13	14	15	16
38	18	19	20	21	22	23
39	25	26	27	28	29	30

OCT

S	M	T	W	T	F	S
39					1	
40	2	3	4	5	6	7
41	9	10	11	12	13	14
42	16	17	18	19	20	21
43	23/30	24/31	25	26	27	28

NOV

S	M	T	W	T	F	S
44		1	2	3	4	5
45	6	7	8	9	10	11
46	13	14	15	16	17	18
47	20	21	22	23	24	25
48	27	28	29	30		

DEC

S	M	T	W	T	F	S
48				1	2	3
49	4	5	6	7	8	9
50	11	12	13	14	15	16
51	18	19	20	21	22	23
52	25	26	27	28	29	30

2023

JAN

S	M	T	W	T	F	S
1	1	2	3	4	5	6
2	8	9	10	11	12	13
3	15	16	17	18	19	20
4	22	23	24	25	26	27
5	29	30	31			

FEB

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

MAR

S	M	T	W	T	F	S
9			1	2	3	4
10	5	6	7	8	9	10
11	12	13	14	15	16	17
12	19	20	21	22	23	24
13	26	27	28	29	30	31

APR

S	M	T	W	T	F	S
13					1	
14	2	3	4	5	6	7
15	9	10	11	12	13	14
16	16	17	18	19	20	21
17	23/30	24	25	26	27	28

MAY

S	M	T	W	T	F	S
18	1	2	3	4	5	6
19	7	8	9	10	11	12
20	14	15	16	17	18	19
21	21	22	23	24	25	26
22	28	29	30	31		

JUN

S	M	T	W	T	F	S
22				1	2	3
23	4	5	6	7	8	9
24	11	12	13	14	15	16
25	18	19	20	21	22	23
26	25	26	27	28	29	30

2023

JUL

S	M	T	W	T	F	S
26					1	
27	2	3	4	5	6	7
28	9	10	11	12	13	14
29	16	17	18	19	20	21
30	23/30	24/31	25	26	27	28

AUG

S	M	T	W	T	F	S
31		1	2	3	4	5
32	6	7	8	9	10	11
33	13	14	15	16	17	18
34	20	21	22	23	24	25
35	27	28	29	30	31	

SEP

S	M	T	W	T	F	S
35				1	2	
36	3	4	5	6	7	8
37	10	11	12	13	14	15
38	17	18	19	20	21	22
39	24	25	26	27	28	29

OCT

S	M	T	W	T	F	S
40	1	2	3	4	5	6
41	8	9	10	11	12	13
42	15	16	17	18	19	20
43	22	23	24	25	26	27
44	29	30	31			

NOV

S	M	T	W	T	F	S
44		1	2	3	4	
45	5	6	7	8	9	10
46	12	13	14	15	16	17
47	19	20	21	22	23	24
48	26	27	28	29	30	

DEC

S	M	T	W	T	F	S
48				1	2	
49	3	4	5	6	7	8
50	10	11	12	13	14	15
51	17	18	19	20	21	22
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## Early Order Discount

### Deadlines

Winter/Spring Liners	Sep 30, 2022
Winter/Spring Plugs	Nov 1, 2022
Mum & Aster Liners	Jan 16, 2023
Summer/Fall Liners	Jun 1, 2023
Summer/Fall Plugs	Jun 1, 2023

### HOLIDAYS

	2022	2023
New Year's Day	Jan 1	Jan 1
MLK Day ★	Jan 17	Jan 16
Valentine's Day	Feb 14	Feb 14
Family Day ★	Feb 21	Feb 20
Presidents' Day ★	Feb 21	Feb 20
St. Patrick's Day	Mar 17	Mar 17
Palm Sunday	Apr 10	Apr 2
Good Friday	Apr 15	Apr 7
Easter	Apr 17	Apr 9
Mother's Day	May 8	May 14
Victoria Day ★	May 23	May 22
Memorial Day ★	May 30	May 29
Father's Day	Jun 19	Jun 18
Canada Day ★	Jul 1	Jul 1
Independence Day ★	Jul 4	Jul 4
Civic Holiday ★	Aug 1	Aug 7
Labor Day	Sep 5	Sep 4
Thanksgiving ★	Oct 10	Oct 9
Columbus Day ★	Oct 10	Oct 9
Veterans Day ★	Nov 11	Nov 11
Remembrance Day ★	Nov 11	Nov 11
Thanksgiving ★	Nov 24	Nov 23
Christmas	Dec 25	Dec 25

# 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

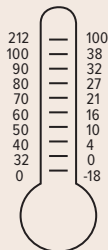
## TEMPERATURE

### 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	0.453359 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:  $\text{ppm desired} \div 75 = \text{oz of fertilizer to use in 100 gals water}$ .

**Example:** how much 20-10-20 fertilizer should you use to obtain a 200 ppm Nitrogen solution?  $200 \text{ ppm} \div 75 = 0.20 = 13.3 \text{ oz/100 gallons of water}$

## 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	0.042 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

### Liquid Conversions

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