



AgSource
Laboratories

A subsidiary of Cooperative Resources International
Phone: (715) 758-2178 • www.agsource.com
E-mail: aglab@agsource.com
106 North Cecil Street, P.O. Box 7
Bonduel, WI 54107

SUBMITTED BY: LAURA LANE NURSERY
 SUBMITTED FOR: LAURA LANE NURSERY
 DATE SAMPLED: N/A
 DATE PROCESSED: 6/10/2009

LAB ID: 700938
 ACCOUNT #: 475
 CROP TYPE: CHRISTMAS TREE
 VARIETY (Specialty Crops Only): N/A
 GROWTH STAGE: N/A
 APPEARANCE: N/A

SOIL TEST RESULTS FOR COMMERCIAL CHRISTMAS TREE PRODUCTION

FIELD	SAMPLE #	pH	Buffer pH	O.M.	P	K	Ca	Mg	B	Mn	Zn	S	CEC
RESULTS IN PPM													
KIRKS S	1	5.8	6.7	0.6%	100	97	410	80					3.4%
KIRKS N	2	6.0	7.0	0.8%	72	93	350	60					3.0%
D-EAST	3	5.6	6.8	0.8%	131	105	390	70					3.5%
D-WEST	4	6.0	7.0	0.9%	74	99	400	70					3.4%
LAURA LANE	5	5.6	6.8	1.0%	100	86	480	110					4.3%
RON EAST	6	4.5	6.5	1.4%	60	89	250	30					3.8%
RON WEST	7	5.0	6.4	1.2%	39	81	400	70					4.2%
RON NORTH	8	5.7	6.8	1.2%	44	91	430	90					4.0%
RON SOUTH	9	5.6	6.5	1.3%	66	138	590	110					5.2%

HIGH
OPTIMUM
LOW

GRANULAR APPLICATION RECOMMENDATIONS (LBS/ACRE)

	NITROGEN	LIME (T/ACRE)	P ₂ O ₅	K ₂ O	CALCIUM	MAGNESIUM	BORON	MANGANESE	ZINC	SULFUR
KIRKS S	SEE TABLE	0.0	0	18	0	40				250
KIRKS N	SEE TABLE	0.0	0	42	100	80				251
D-EAST	SEE TABLE	0.0	0	0	20	60				252
D-WEST	SEE TABLE	0.0	0	6	0	60				253
LAURA LANE	SEE TABLE	0.0	0	84	0	0				254
RON EAST	SEE TABLE	6.0	0	66	300	140				255
RON WEST	SEE TABLE	5.2	0	114	0	60				256
RON NORTH	SEE TABLE	0.0	0	54	0	20				257
RON SOUTH	SEE TABLE	0.0	0	0	0	0				258

*Sulfur applications exceeding 500 lbs/acre should be split

0* This means that although the soil test level of this nutrient is low, plant tissue analysis indicated that a fertilizer application is unnecessary at this time.

*IT IS HIGHLY RECOMMENDED TO CONFIRM NEED FOR MICRONUTRIENT APPLICATIONS WITH PLANT TISSUE ANALYSIS PRIOR TO APPLICATION

NITROGEN FERTILIZER RECOMMENDATIONS

(RECOMMENDATIONS ARE UNITS OF ACTUAL N)

YEAR OF PLANTING	2 & 3	4	5	6	7	8	9
OUNCES PER TREE	0.64	0.96	1.2	1.44	1.92	2.08	2.4
LBS/ACRE	40	60	75	90	120	130	150

NOTE ON NITROGEN FERTILIZATION:

On soils with a pH above 5.5, it is advisable to use Ammonium Sulfate as the Nitrogen source. This will help reduce the pH into the optimum range of 5.0-5.5 as well as enhance color & quality of the foliage. Environmentally Safe Nitrogen should be used in combination with AMS on soils with low organic matter to reduce leaching losses and provide a longer term release of N.

***RECOMMENDATIONS BASED ON 1000 TREES PER ACRE**

****An additional relatively heavy application of 2-3 oz./tree to improve color & quality may be made in mid-August for trees identified for harvest.
It is important to only fertilize trees that will be harvested as heavy N applications at this time of the year to non-harvested trees can result in winter injury.**

It is agreed and understood that AgSource Soil & Forage Laboratory will assume no responsibility regarding the application of the chemicals and fertilizers recommended nor makes any claims regarding plant growth or performance resulting from the above applications and that responsibility for the proper application is the sole responsibility of the client. Recommendations are not based on University of Wisconsin research and are purely advisory based on the most recent research available from other state universities.