

Little Trade Lake 2016 CLP/EWM Treatment Proposal: Diquat, Endothall, & 2,4-D (5-15-2016)

Treatment Site	Acreage	Mean Depth (feet)	Volume (acre-feet)	CLP/EWM — Diquat (Reward) Treatment			CLP/EWM - Endothall (Aquathol K) Treatment			EWM - 2,4-D (DMA 4) (ALTERNATIVE) Treatment		
				Treatment a.i. ppm	application (2-gal/acre)	Application rate (gal/ac-ft)	Treatment a.i. ppm	application (gal)	Application rate (gal/ac-ft)	Treatment a.i. ppm	application (gal)	Application rate (gal/ac-ft)
1-16	3.63	3.0	10.89	NA	7.3	0.67						
2-16	2.04	4.0	8.16				2.5	13.6	1.67	3.5	20.3	2.49
3-16	0.46	4.0	1.84				2.5	3.1	1.67	3.5	4.6	2.49
4-16	0.70	5.0	3.50				2.5	5.8	1.67	3.5	8.7	2.49
5-16	0.51	5.0	2.55				2.5	4.3	1.67	3.5	6.3	2.49
6-16	0.57	4.0	2.28				2.5	3.8	1.67	3.5	5.7	2.49
7-16	0.74	5.0	3.70				2.5	6.2	1.67	3.5	9.2	2.49
8-16	0.72	4.0	2.88				2.5	4.8	1.67	3.5	7.2	2.49
9-16	0.14	3.0	0.42				2.5	0.7	1.67	3.5	1.0	2.49
10-16	0.41	4.0	1.64				2.5	2.7	1.67	3.5	4.1	2.49
11-16	0.13	4.0	0.52				2.5	0.9	1.67	3.5	1.3	2.49
<b>Total</b>	<b>10.05</b>		<b>38.38</b>		<b>7.3</b>			<b>45.9</b>			<b>68.5</b>	

CLP/EWM Treatment (10.05 acres); early spring application

Reward (liquid Diquat)	0.25-0.5 gallons/acre-ft	\$150/gallon x 8 = \$1,200.00
Aquathol K (liquid endothall)	2.5 ppm	\$120/gallon x 46 = \$5,520.00
DMA 4 (liquid 2,4-D)	3.5 ppm	\$40/gallon x 69 = \$2,760.00

**\$9,480.00**

Target endothall a.i. (ppm)	gal/ac-ft†
0.75	0.45
1.00	0.60
1.50	1.00
2.00	1.33
2.50	1.67
3.00	2.00
4.00	2.60
<b>Aquathol K (liquid)</b>	

DMA 4 (liquid 2,4-D)
a Treated at 1.50 parts per million (1.07 gal/ac-ft)
b Treated at 2.00 parts per million (1.42 gal/ac-ft)
c Treated at 2.50 parts per million (1.78 gal/ac-ft)
d Treated at 3.00 parts per million (2.13 gal/ac-ft)
<b>d Treated at 3.50 parts per million (2.49 gal/ac-ft)</b>
d Treated at 4.00 parts per million (2.84 gal/ac-ft)