



1087 Jamison Road NW
Washington Court House, OH 43160-8748

www.spectrumanalytic.com

Report To

THE OHIO STATE UNIVERSITY SOUTH CENTERS
1864 SHYVILLE RD
PIKETON, OH 45661

Prepared For

OSU SOUTH CENTERS

Sampled

05-11-2015
Tested 05-12-2015

Sample Number	Lab Number	pH		Organic Matter %	Analysis Result* and Rating				CEC	Base Saturation			Mehlich-3 PPM and Rating					
		Soil pH	Buffer pH		Phosphorus P	Potassium K	Magnesium Mg	Calcium Ca		K %	Mg %	Ca %	Sulfur S	Boron B	Zinc Zn	Iron Fe	Copper Cu	Mang. Mn
PAX	C35816	6.6	7.0	2.4	111 H	176 G	315 G	2070 G	13.1	2.9	17.7	59.4	20 G	0.5L	5.8 G	164 V	3.2 G	47 G

* P, K, Mg and Ca are extracted by Mehlich-3 (ICP) and are reported in ppm

Sample Number	Lab Number	Year	Crop	Yield Goal	Acres	Nutrient recommendations expressed in broadcast rates of lbs/A except where noted.										
						CaCO3** Lime	N	P2O5	K2O	Mg	S	B	Cu	Fe Foliar	Mn Row	Zn
PAX	C35816	15	Hops	23 cwt		0	151	0	83	0	4	0.50	0	0	0	2

**Lime expressed in 100% pure CaCO3. Adjust accordingly. D = Dolomitic Lime. C = Calcitic Lime.

Hops: Establishment year apply 75 lbs N/acre. 2nd+ years apply N 30-45 days after emergence. Do not use chloride fertilizers. Monitor & adjust nutrient program based on annual tissue analysis.



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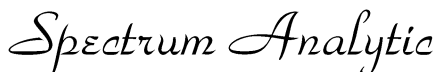
Sample Number	Lab Number	pH		Organic Matter %	Analysis Result* and Rating				CEC	Base Saturation			Mehlich-3 PPM and Rating						
		Soil pH	Buffer pH		Phosphorus P	Potassium K	Magnesium Mg	Calcium Ca		K %	Mg %	Ca %	Sulfur S	Boron B	Zinc Zn	Iron Fe	Copper Cu	Mang. Mn	Alum. Al
PATTERSON	C35817	6.4	7.0	2.3	13 L	79 M	257 G	1492 H	7.6	2.2	24.6	73.1	10 M	0.4L	1.6 L	114 V	1.3 G	116 G	

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Sample Number	Lab Number	Year	Crop	Yield Goal	Acres	Nutrient recommendations expressed in broadcast rates of lbs/A except where noted.										
						CaCO3** Lime	N	P2O5	K2O	Mg	S	B	Cu	Fe Foliar	Mn Row	Zn
PATTERSON	C35817	15	Hops	23 cwt		408	152	240	141	0	11	0.50	0	0	0	5

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		Soil pH	Buffer pH		Phosphorus P	Potassium K	Magnesium Mg	Calcium Ca		K %	Mg %	Ca %	Sulfur S	Boron B	Zinc Zn	Iron Fe	Copper Cu	Mang. Mn	Alum. Al
BURNS	C35815	5.7	6.5	3.1	13 L	48 L	148 M	1030 M	11.1	0.9	9.8	35.0	15 M	0.4L	1.3 L	232 V	1.3 G	121 H	

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						CaCO3** Lime	N	P2O5	K2O	Mg	S	B	Cu	Fe Foliar	Mn Row	Zn
BURNS	C35815	15	Hops	23 cwt		4719 D	144	233	180	10	8	0.50	0	0	0	5

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Hops: Establishment year apply 75 lbs N/acre. 2nd+ years apply N 30-45 days after emergence. Do not use chloride fertilizers. Monitor & adjust nutrient program based on annual tissue analysis.