

**Table A5. 2023 New Culm Inventory Summary by Month (June-September) and Total for Four Farms:  
Culms Per Acre, Basal Area Per Acre (BA, ft<sup>2</sup>/acre), Potential Food Green Tons Per Acre,  
Total Culms, and Total Potential Food Green Tons By Month and Total for 2023 by Basal Diameter (BD)**

		Fatout - 3 Acres Established 2019																								2023 Total New									
Culm BD	June			July			August			September			October			November			Per Acre		Total														
	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons					
1	81	0.4	0.0	242	0.1	16	0.1	0.0	48	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	97	0.5	0.0	290	0.1	
2	210	4.6	0.2	629	0.6	177	3.9	0.2	532	0.5	48	1.1	0.0	145	0.1	0	0.0	0.0	0	0.0	65	1.4	0.1	194	0.2	80.7	1.8	0.1	242	0.2	581	12.7	0.6	1,742	1.7
3	290	14.3	0.4	871	1.3	274	13.5	0.4	823	1.2	145	7.1	0.2	436	0.7	113	5.5	0.2	339	0.5	48	2.4	0.1	145	0.2	0.0	0.0	0.0	0	0.0	871	42.8	1.3	2,614	3.9
4	161	14.1	0.3	484	1.0	65	5.6	0.1	194	0.4	16	1.4	0.0	48	0.1	81	7.0	0.2	242	0.5	16	1.4	0.0	48	0.1	0.0	0.0	0.0	0	0.0	339	29.6	0.7	1,016	2.0
5	0	0.0	0.0	0	0.0	65	8.8	0.2	194	0.5	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	65	8.8	0.2	194	0.5	
6	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total</b>	<b>742</b>	<b>33.3</b>	<b>1.0</b>	<b>2226</b>	<b>3.0</b>	<b>597</b>	<b>31.9</b>	<b>0.9</b>	<b>1791</b>	<b>2.7</b>	<b>210</b>	<b>9.6</b>	<b>0.3</b>	<b>629</b>	<b>0.9</b>	<b>194</b>	<b>12.6</b>	<b>0.3</b>	<b>581</b>	<b>1.0</b>	<b>129</b>	<b>5.2</b>	<b>0.2</b>	<b>387</b>	<b>0.5</b>	<b>80.7</b>	<b>1.8</b>	<b>0.1</b>	<b>242</b>	<b>0.2</b>	<b>1952</b>	<b>94.3</b>	<b>2.8</b>	<b>5,856</b>	<b>8.3</b>
Ave BD	2.7		3.0			2.8			3.4			2.6			2.0			2.8																	
Culms/Clump	1.7			1.4			0.5			0.4			0.3			0.2			4.5																

		Merrick - 27 Acres Established 2020																								2023 Total New									
Culm BD	June			July			August			September			October			November			Per Acre		Total														
	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons		
1	17	0.1	0.0	459	0.2	170	0.9	0.1	4594	2.3	68	0.4	0.0	1838	0.9	51	0.3	0.0	1378	0.7	91	0.5	0.0	2450	1.2	5.7	0.0	0.0	153	0.1	403	2.2	0.2	10,873	5.4
2	244	5.3	0.2	6585	6.6	522	11.4	0.5	14089	14.1	238	5.2	0.2	6432	6.4	96	2.1	0.1	2603	2.6	85	1.9	0.1	2297	2.3	102.1	2.2	0.1	2757	2.8	1288	28.1	1.3	34,763	34.8
3	193	9.5	0.3	5207	7.8	193	9.5	0.3	5207	7.8	147	7.2	0.2	3982	6.0	62	3.1	0.1	1685	2.5	28	1.4	0.0	766	1.1	34.0	1.7	0.1	919	1.4	658	32.3	1.0	17,764	26.6
4	17	1.5	0.0	459	0.9	40	3.5	0.1	1072	2.1	6	0.5	0.0	153	0.3	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	62	5.4	0.1	1,685	3.4
5	6	0.8	0.0	153	0.4	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	6	0.8	0.0	153	0.4	
6	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total</b>	<b>476</b>	<b>17.1</b>	<b>0.6</b>	<b>12864</b>	<b>15.9</b>	<b>925</b>	<b>25.2</b>	<b>1.0</b>	<b>24962</b>	<b>26.3</b>	<b>459</b>	<b>13.3</b>	<b>0.5</b>	<b>12404</b>	<b>13.6</b>	<b>210</b>	<b>5.4</b>	<b>0.2</b>	<b>5666</b>	<b>5.8</b>	<b>204</b>	<b>3.7</b>	<b>0.2</b>	<b>5513</b>	<b>4.7</b>	<b>141.8</b>	<b>3.9</b>	<b>0.2</b>	<b>3829</b>	<b>4.2</b>	<b>2416</b>	<b>68.8</b>	<b>2.6</b>	<b>65,238</b>	<b>70.6</b>
Ave BD	2.5		2.1			2.2			2.1			1.7			2.2			2.2																	
Culms/Clump	1.2			2.3			1.1			0.5			0.5			0.3			5.9																

		MFA - 10 Acres Established 2020																								2023 Total New									
Culm BD	June			July			August			September			October			November			Per Acre		Total														
	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons		
1	26	0.1	0.0	255	0.1	68	0.4	0.0	681	0.3	60	0.3	0.0	596	0.3	9	0.0	0.0	85	0.0	17	0.1	0.0	170	0.1	17.0	0.1	0.0	170	0.1	196	1.1	0.1	1,957	1.0
2	230	5.0	0.2	2297	2.3	340	7.4	0.3	3403	3.4	179	3.9	0.2	1787	1.8	68	1.5	0.1	681	0.7	128	2.8	0.1	1276	1.3	25.5	0.6	0.0	255	0.3	970	21.2	1.0	9,699	9.7
3	255	12.5	0.4	2552	3.8	162	7.9	0.2	1616	2.4	85	4.2	0.1	851	1.3	43	2.1	0.1	425	0.6	128	6.3	0.2	1276	1.9	25.5	1.3	0.0	255	0.4	698	34.2	1.0	6,976	10.5
4	34	3.0	0.1	340	0.7	9	0.7	0.0	85	0.2	0	0.0	0.0	0	0.0	9	0.7	0.0	85	0.2	51	4.5	0.1	510	1.0	17.0	1.5	0.0	170	0.3	119	10.4	0.2	1,191	2.4
5	9	1.2	0.0	85	0.2	0	0.0	0.0	0	0.0	9	1.2	0.0	85	0.2	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	17	2.3	0.0	170	0.4	
6	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	9	1.7	0.0	85	0.3	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	9	1.7	0.0	85	0.3	
<b>Total</b>	<b>553</b>	<b>21.8</b>	<b>0.7</b>	<b>5530</b>	<b>7.1</b>	<b>579</b>	<b>16.5</b>	<b>0.6</b>	<b>5785</b>	<b>6.3</b>	<b>340</b>	<b>11.2</b>	<b>0.4</b>	<b>3403</b>	<b>3.8</b>	<b>128</b>	<b>4.4</b>	<b>0.2</b>	<b>1276</b>	<b>1.5</b>	<b>323</b>	<b>13.6</b>	<b>0.4</b>	<b>3233</b>	<b>4.3</b>	<b>85.1</b>	<b>3.4</b>	<b>0.1</b>	<b>851</b>	<b>1.1</b>	<b>2008</b>	<b>70.9</b>	<b>2.4</b>	<b>20,078</b>	<b>24.2</b>
Ave BD	2.6		2.2			2.3			2.4			2.7			2.5			2.4																	
Culms/Clump	1.4			1.4			0.8			0.3			0.8			0.2			4.9																

		HI Hat - 15.7 Acres Established 2018																								2023 Total New									
Culm BD	June			July			August			September			October			November			Per Acre		Total														
	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons	Culms	BA	Tons		
1	0	0.0	0.0	0	0.0	30	0.2	0.0	475	0.2	30	0.2	0.0	475	0.2	24	0.1	0.0	380	0.2	18	0.1	0.0	285	0.1	12.1	0.1	0.0	190	0.1	115	0.6	0.1	1,805	0.9
2	42	0.9	0.0	665	0.7	115	2.5	0.1	1805	1.8	115	2.5	0.1	1805	1.8	121	2.6	0.1	1900	1.9	103	2.2	0.1	1615	1.6	66.6	1.5	0.1	1045	1.0	563	12.3	0.6	8,834	8.8
3	36	1.8	0.1	570	0.9	175	8.6	0.3	2755	4.1	163	8.0	0.2	2565	3.8	73	3.6	0.1	1140	1.7	61	3.0	0.1	950	1.4	12.1	0.6	0.0	190	0.3	520	25.5	0.8	8,169	12.3
4	12	1.1	0.0	190	0.4	121	10.6	0.2	1900	3.8	42	3.7	0.1	665	1.3	42	3.7	0.1	665	1.3	6	0.5	0.0	95	0.2	6.1	0.5	0.0	95	0.2	230	20.1	0.5	3,609	7.2
5	0	0.0	0.0	0	0.0	73	9.9	0.2	1140	2.8	0	0.0	0.0	0	0.0	6	0.8	0.0	95	0.2	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	79	10.7	0.2	1,235	3.1	
6	0	0.0	0.0	0	0.0	6	1.2	0.0	95	0.3	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	6	1.2	0.0	95	0.3	
<b>Total</b>	<b>91</b>	<b>3.8</b>	<b>0.1</b>	<b>1425</b>	<b>1.9</b>	<b>520</b>	<b>32.9</b>	<b>0.8</b>	<b>8169</b>	<b>13.1</b>	<b>351</b>	<b>14.4</b>	<b>0.5</b>	<b>5509</b>	<b>7.2</b>	<b>266</b>	<b>10.9</b>	<b>0.3</b>	<b>4179</b>	<b>5.4</b>	<b>188</b>	<b>5.8</b>	<b>0.2</b>	<b>2945</b>	<b>3.4</b>	<b>96.8</b>	<								