### 3-Cut System, 4-Year Rotation

**Alfalfa Snout Beetle is costing you up to $381 per acre.**

<table>
<thead>
<tr>
<th>Year 1 (Establishment)</th>
<th><strong>Loss</strong> = $136/A</th>
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#### Year 2 (1st full production year)
- Mowing and Raking 3 times: $75
- 11.4 tons (35% DM) at $8/ton: $91
- Land Cost, Overhead: $150
- Nutrient Removal (0-40-240): $135
- Total 2nd Year Cost: $451/A
- Profit: 4 tons DM at $170/ton: $680/A
- 2nd Year Cost: -$451
- Total Profit Year 2 = $229/A

#### Year 3 (2nd full production year)
- Mowing and Raking 3 times: $75
- 10 tons (35% DM) at $8/ton: $80
- Land Cost, Overhead: $150
- Nutrient Removal (0-35-210): $118
- Total 3rd Year Cost: $423/A
- Profit: 3.5 tons DM at $170/ton: $595/A
- 3rd Year Cost: -$423
- Total Profit Year 3 = $172/A

#### Year 4 (3rd full production year)
- Mowing and Raking 3 times: $75
- 8.6 tons (35% DM) at $8/ton: $69
- Land Cost, Overhead: $150
- Nutrient Removal (0-30-180): $100
- Total 4th Year Cost: $394/A
- Profit: 3 tons DM at $170/ton: $510/A
- 4th Year Cost: -$394
- Total Profit Year 4 = $116/A

#### Total from Years 1, 2, 3, 4
- Year 1 (Establishment): **Loss** = $136/A
- Year 2: **Profit** = $229/A
- Year 3: **Profit** = $172/A
- Year 4: **Profit** = $116/A
- Total Profit = $381/A

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- Land Cost, Overhead: $150
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- Total 2nd Year Cost: $451/A
- Profit: 4 tons DM at $170/ton: $680/A
- 2nd Year Cost: -$451
- Total Profit Year 2 = $229/A

#### Year 3 (2nd full production year)
- Mowing and Raking 3 times: $75
- 5.7 tons (35% DM) at $8/ton: $46
- Land Cost, Overhead: $150
- Nutrient Removal (0-20-120): $67
- Total 3rd Year Cost: $336/A
- Profit: 2 tons DM at $170/ton: $340/A
- 3rd Year Cost: -$336
- Total Profit Year 3 = $2/A

#### Year 4 (3rd full production year)
- Mowing and Raking 3 times: $75
- Total Loss Year 3 = $172/A

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We thank Everett D. Thomas, Michael E. Hunter, and Thomas F. Kilcer for contributions to this effort.
**4-Year Rotation System**

Aftaha Sweet Beetles is costing you up to $487 per acre.

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Total Loss: 4 x $487 = $1,948

**Establishment**

Year 1