Action / Economic Threshold

**Sampling – Sweep Net**
- Weevil populations can be detected with a sweep net.
  - 8” to 10” high alfalfa
  - 180° arc
  - 10 sweeps at 4 locations

**Sampling – Stem Counts**
- Monitoring tip feeding is simple
  - Select 10 to 20 stems from 5 locations
  - Examine tips for feeding
  - Determine % damaged tips
  - Determine average # of larvae/stem

**Damage – AFTER First Cutting**
- Monitor stubble and regrowth for surviving larvae
  - Inspect 20, 1 sq ft samples
  - You may take samples in windrow
  - Larvae concentrated here

Management Threshold
- 25 larvae per sweep
- IF, 30 to 50% damaged tips
- IF, 1.5 to 2 larvae per stem

**ALFALFA WEEVIL STEM COUNT METHOD**

**a ($35/ton)**
- Spray
- Cut Early
- Re-sample in 3-5 days
- May Need to Spray
- No Spray Needed
- Re-sample in 7 days

**b ($70/ton)**
- Spray
- Cut Early
- Re-sample in 3-5 days
- May Need to Spray
- No Spray

**c ($105/ton)**
- Spray
- Cut Early
- Re-sample in 3-5 days
- May Need to Spray
- No Spray

**Height of Alfalfa**