

Leafhoppers - Alfalfa - Thunderstorms

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Hopper Migration - Leafhopper's winter on the Gulf Coast. The late Spring thunderstorm South the North track can transport the pest to Pennsylvania within five days. Down drafts in front of these storms drop adult leafhoppers onto fields. During the spring migration north, about 70 percent of the adults are gravid females (heavy with offspring). They deposit their eggs in alfalfa stems and leaf veins as soon as they reach a field. In warm weather, the insects will mature in about three weeks. Large populations of leafhoppers can build up in a brief time. Adults are continually active and will fly above the plants when disturbed.



No Leafhoppers - Gary Reid, Green-Safe-Solutions Owner-Founder reports, James Byer called from Belleville PA asking about our products. James was having serious problems with leaf hoppers in his alfalfa fields. The leaves were turning yellow. He was afraid he would lose the crop. Jim purchased Soil Amendment (SA). On Friday, he applied for five ounces per acre of SA in 30-gallons of water. On Monday he called me and said, "NO LEAF HOPPERS!" He was amazed. And one 8 produced 8.34 more per acre after he applied S.A. From then he applied SA seven days after each cutting for a total of four cuttings.



What is it Worth? - 1st cut Pittsburgh, Pennsylvania region round bales stored outside sell for \$20 per bale, if you are buying more than 6, they are \$18 per bale. Bales stored in barn are \$30. Square bales are available for \$2.00 per bale in field, \$3.00 per bale stored in barn. Growers set up orders for pickup or will deliver for an agreed charge.

Goats Will Have No Other - James reported his goats loved hay. They will not eat any other and he has had no vet bills. His 100 goats are producing more butter fat now, +4.3%, and higher protein, +3.50%, and his milk production has increased. James' farm statistics show a +20% increase in Alfalfa yields. His results have been great for his other crops with +30% for both non-GMO soybean and field corn yields. and 30% increased field corn yield.

