

# HS-2002

**HARVEST**  
TEC *Equipment and Products  
for Quality Hay.*

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## *Dew Simulator Softening Agent*

US Patent #6,233,840 B1

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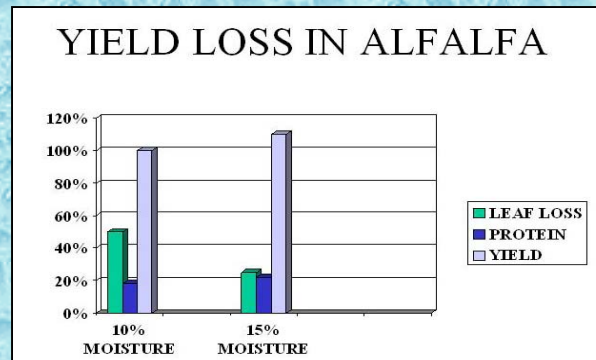
# HS-2002

## Dew Simulator Softening Agent

Harvest Tec's Dew Simulator Softening Agent is applied to windrowed hay evenly to increase the level of moisture. When used in conjunction with Harvest Tec's Dew Simulator sprayer, the windrow can be evenly re-wetted in a manner similar to the way natural dew affects the windrow. With this application the alfalfa hay is softened to the point that it can be baled without excess loss due to leaf shatter.

### Why You Should Bale with HS-2002

- ✓ HS-2002 gives producers the benefits of baling with dew moisture without having to wait
- ✓ Dew moisture is variable and often unreliable
- ✓ Dew moisture is required after curing to retain valuable leaves
- ✓ Significant nutrient loss occurs when alfalfa is harvested below 12% moisture content
- ✓ Increase yields and quality by retaining leaves and increasing tonnage
- ✓ Enables producers to increase productivity by making a better use of their equipment and workforce. While waiting for natural dew, producers are losing hay color, hay quality and valuable time for re-growth.



### Timing of Application

Harvest Tec's Dew Simulator Softening Agent needs 8 minutes to absorb into the alfalfa hay. During the daytime the solution can evaporate from the hay within 15 minutes. Therefore timing of the interval between the application and baling is important. Space the Harvest Tec applicator and the baler so that the interval between them is within 8 to 15 minutes for daytime operation.

During the evening, night and morning hours the dew simulator solution may take up to 20 minutes to fully absorb into the hay. Evaporation is not a problem in these times, so baling can be timed at any interval greater than 20 minutes behind the application of the softening agent.



### Mixing Instructions:

Mix the Dew Simulator Softening Agent with water at a rate of 1-½ gallons per 100 gallons of water

### Application Instructions

#### *High rate application:*

For windrows where there is no stem moisture.

*This application rate will add between 5 and 7 points of moisture.*

- **Apply 16 gallons of the mixed solution per ton of alfalfa hay**

#### *Low rate application:*

For windrows where there is some stem moisture present.

*This application rate will add 3 to 4 points of moisture.*

- **Apply 10 gallons of the mixed solution per ton of alfalfa hay**

### Product Specifications

The formula used in HS-2002 is confidential. It has been formulated on a silicone base and is designed to help the water added soak into the hay more completely. It is safe for all livestock.