## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields




©OUPONT

## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields



## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields



## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields

Impact of Growing Environment on NDFD Shown.by
the Drought-Stress Effect of the Same Hybritis ${ }^{\text {nnм }}$
Grown in 2006 (wet year) vs. 2007 (drought year)




Kevin Phillips
Field Agronomist, DuPont, Pioneer GA/ FL

Impact of Growing Environment on NDFD Shown by: the Drought-Stress Effect of the Same Hybricisinnero Grown in 2006 (wet year) vs. 2007 (drought year) Notice lack of differences in




(IUPONT

## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

Keys to Good Corn Silage Yields

(10)PONT

## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields

|  |  |  |  |  |  | creme |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Potassium timing <br> - Should be applied at planting <br> - Split applications on Sandy soils <br> - Most taken up by Tassel. <br> - Equal uptake as N . <br> - Silage removes 10X the K20 as grain harvest |  |  |  |  |  | (\$. PIONEER. |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | $\begin{aligned} & \begin{array}{l} \text { st } 25 \\ \text { days } \end{array} \end{aligned}$ | $\begin{aligned} & 2^{\text {nd d }} 25 \\ & \text { ayys } \end{aligned}$ | $\begin{aligned} & 3^{\text {rd }} 25 \\ & \text { days } \end{aligned}$ | $\begin{aligned} & 4^{\operatorname{4n} 25} \\ & \text { days } \end{aligned}$ | $\begin{aligned} & \text { Last } 25 \\ & \text { days } \end{aligned}$ | Total <br> lbs. <br> Uptake |
| N | 8 | 35 | 31 | 20 | 6 | 240 |
| P205 | 7 | 29 | 39 | 27 | 8 | 110 |
| K20 | 9 | 44 | 31 | 14 | 2 | 240 |





Kevin Phillips
Field Agronomist, DuPont, Pioneer GA/ FL

## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields



Estimated Water Use of Corn during Various Stages of Growth


## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields



## R-5 Dent Stage - Completing <br> ( $\operatorname{mon}$ POEER Grainfill

- At first dent there are approximately 24 days to black layer and the milk line is barely visible
- Grain - $55 \%$ moisture
- $75 \%$ of DM grain weight has accumulated
- Water need declines to 1.75 inches per week



Kevin Phillips

## $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference

## Keys to Good Corn Silage Yields


How Much Water Should You
Apply Per Irrigation?

1. Dependent upon the selected level of soil water
depletion
2. Dependent upon rooting depth of crop
3. Dependent upon soil texture

- Apply water as rapidly as possible without
getting runoff



Kevin Phillips

# $10^{\text {th }}$ Mid Atlantic Dairy Grazing Conference 

Keys to Good Corn Silage Yields


