

Leaf width

Height above ear Stalk strength Leaf length

Plant height dtaavg

-1.5

-1.0

-0.5

0.0

0.5

Glucose

Average internode length (above ear)

Photoperiod Growing-degree days to silk Photoperiod growing-degree days to anthesis

Ratio of ear height to total height PCA of metabolites: PC2

Height per day (until flowering)

Anthesis-silking interval

Total amino acids