Defining Cutout

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COTMAN Workshop
Memphis TN - 2006
COTMAN
Target Development Curve

Nodes Above FS/FF

Days After Planting
Boll Retention

NAWF = 5

% Retention, 1st Position Bolls
Boll Retention

NAWF = 5

4 = -50%
5 = -16%

% Retention, 1st Position Bolls
Flower Power

NAWF = 5

Seedcotton (lb)/100 Flowers
Flower Power

Seedcotton (lb)/100 Flowers

NAWF = 5

6 = -15%
Flower Power

NAWF = 5

Seedcotton (lb)/100 Flowers

- 5 = -42%
- 6 = -15%

Flower Power
Flower Power

NAWF = 5

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<tr>
<th>NAWF</th>
<th>Seedcotton (lb)/100 Flowers</th>
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<tr>
<td>3</td>
<td>4 = -78%</td>
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<td>4</td>
<td>5 = -42%</td>
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NAWF = 5

Flower Power

Seedcotton (lb)/100 Flowers

3 = -89%
4 = -78%
5 = -42%
6 = -15%
Early Bloom

Carbohydrate production

Seed and lint demand

Charles Stichler
Late Bloom

Carbohydrate production
Seed and lint demand

Charles Stichler
Leaf Activity With Age

Individual leaf activity drops as a leaf ages

Canopy photosynthetic rates will generally decrease as the average leaf age increases.
Demand

Supply

Cutout

Demand

Charles Stichler
COTMAN Target Development Curve

Days After Planting

Nodes Above FS/FF
Recommendations

• Start collecting NAWF data the first week of flower.

• It is difficult to properly identify the cutout from two data points

• Cutout date can’t accurately be established when NAWF values are below 5

• Consider counting total node data at cutout to assist in defoliation decisions