GET WITH THE PROGRAM: DEVELOPING YOUR OWN WEED CONTROL STRATEGY

J.T. BROSNAN, PH.D.  
@UTTURFWEEDS

G.M. HENRY, PH.D.  
@UGATURFGRASS

He who fails to plan is planning to fail.  
— Winston Churchill —

“A GOAL WITHOUT A PLAN IS JUST A WISH”  
—Antoine de Saint-Exupéry

Reactively Spray
**WHAT IS A PROGRAM?**

- Holistic Approach to Season Long Weed Control

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>ENVIRONMENT</th>
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<tbody>
<tr>
<td>WEED ID</td>
<td>SPECIES/CULTIVAR</td>
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<tr>
<td>PRODUCT SELECTION</td>
<td>FERTILIZER USE</td>
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<tr>
<td>RATE &amp; TIMING</td>
<td>SHADE</td>
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<tr>
<td>MOA ROTATION</td>
<td>TRAFFIC MANAGEMENT</td>
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**MANAGING EXPECTATIONS**

**THERE IS NO PERFECT PROGRAM**

- Open dialogue
- How to think programmatically
- Motivated to consider a program in 2020

You are QB1 on your own agronomic choices

**HOW DOES ONE**

**BUILD A PROGRAM?**
FIELD - WARM SEASON

LOCATION
SOIL
TURF SPECIES
OVERSEED?
MISCELLANOUS?

WEEDS
CRAB
GOOSE
POA
SEDGE
DALLIS
SIGNAL
BLW
OTHER

RATING
RESISTANCE?

OPTION #1 - WARM SEASON

TIMING
TARGET WEED
HERBICIDE
GROUP #

THE OODA LOOP

Col. John Boyd, USAF

BEST PRACTICES

• Monitor

• Take notes throughout the year
  • Track weather, breakthrough weeds

• Check all the boxes (calibration, mixing, etc) to make adjustments for next year

OPTION #2 - WARM SEASON

TIMING
TARGET WEED
HERBICIDE
GROUP #
**FIELD - COOL SEASON**

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<th>LOCATION</th>
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<th>OVERSEED</th>
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**WEEDS**

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**ENVIRONMENTAL ADJUSTMENTS**

- Optimize environment to give any herbicide application the best chance of success
  - What is N program?
  - Tested for P or K?
  - What is the mowing height?
  - Compaction management?
  - Traffic distribution?

**OPTION #1 - COOL SEASON**

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**OPTION #2 - COOL SEASON**

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**POTENTIAL HURDLES**

- Comfort Zone
- Information Resources
  - University Extension → this is the mission of land grant universities
- Budget or Labor

**ACTION ITEMS FOR 2020**

- Take control of decision-making on your field
- Think programmatically
  - Optimize environment to make herbicide choices most effective
"PLANS ARE WORTHLESS BUT PLANNING IS EVERYTHING"

Jim Brosnan, Ph.D.
@UTTurfWeeds
Professor, Univ. of Tennessee (@UTTurfgrass) Director, UT Weed Diagnostics Center (@WeedDiagnostics) #Turf #Grass #Weeds #Science #Golf #Lawn #Resistance
University of Tennessee tnturfgrassweeds.org
Joined November 2013
2,427 Following 4,674 Followers
@UTTurfweeds | jbrosnan@utk.edu

UGA Turfgrass
@UGATurfgrass | gmhenry@uga.edu

Questions?