DuPont Crop Protection

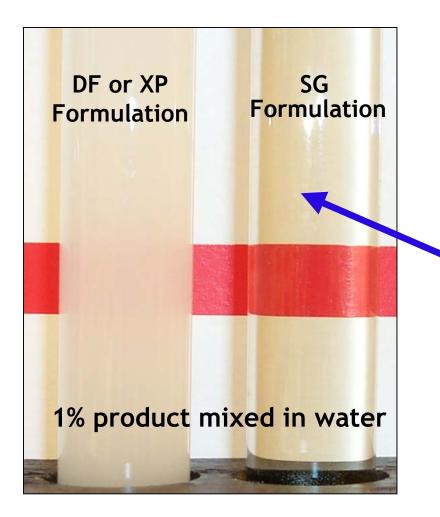
2008 Product & Label Update

Steve Crawford Sales/Dev Support AR / LA / MS

Wheat Herbicides Harmony Extra – Formulation Change

DuPont[™] Harmony[®] Extra **XP** Herbicide ↓ DuPont[™] Harmony[®] Extra **SG** herbicide (Soluble granules with TotalSol[®] technology)

DuPont[™] Harmony[®] Extra SG herbicide with TotalSol[®] soluble granules



SG versus XP

- TotalSol[®] formulations completely dissolve in
- water
- TotalSol[®] formulations are clear in the spray tank

Benefits of SG Formulations:

- Dissolves completely in water
- Allows delivery of all active ingredient from the spray tank to the target weeds
- Increased bioavailability of active ingredients
- More consistent weed control under a wider variety of environmental conditions
- Faster and easier tank cleanout allows for more efficient use of spray equipment

Formulation / Rate Comparisons

Harmony® Extra XP

- A dry flowable granule
- 75% active ingredient
- Comparative Rates
 - 0.3 oz
 - 0.4 oz
 - 0.5 oz
 - 0.6 oz

Harmony[®] Extra SG

- A water soluble granule
- 50% active ingredient
- Comparative Rates
 - 0.45 oz
 - 0.6 oz
 - 0.75 oz
 - 0.9 oz

(XP times 1.5 = SG)

FirstShot[®] SG Burndown Herbicide

- New non-residual burndown herbicide
- A "HOT" Harmony Extra
- More tribenuron (Express)
- New 50% SG TotalSol formulation
- Use rate of 0.5 to 0.8 oz/acre
- Tankmix with gly + 2,4-D or gly alone
- Reduced Preplant Intervals
 - Wheat & Rice 0 days
 - Soybeans 7 days
 - Cotton, Corn, G. Sorghum 14 Days

FirstShot® SG New Burndown Herbicide

- Add to glyphosate for improved control of henbit, smartweed, curly dock, carolina geranium, primrose, mayweed, swinecress, & many others.
- Add a phenoxy for maximum marestail & primrose control
- Benefits of a good burndown program:
 - Soils warm quicker
 - Better utilization of soil moisture
 - Start clean with easier planting
 - Less insect pressure

DuPont Corn Herbicides 2008 Update

Standards:

•<u>New for 2008:</u>

Steadfast®

Resolve® Q

Resolve® DF

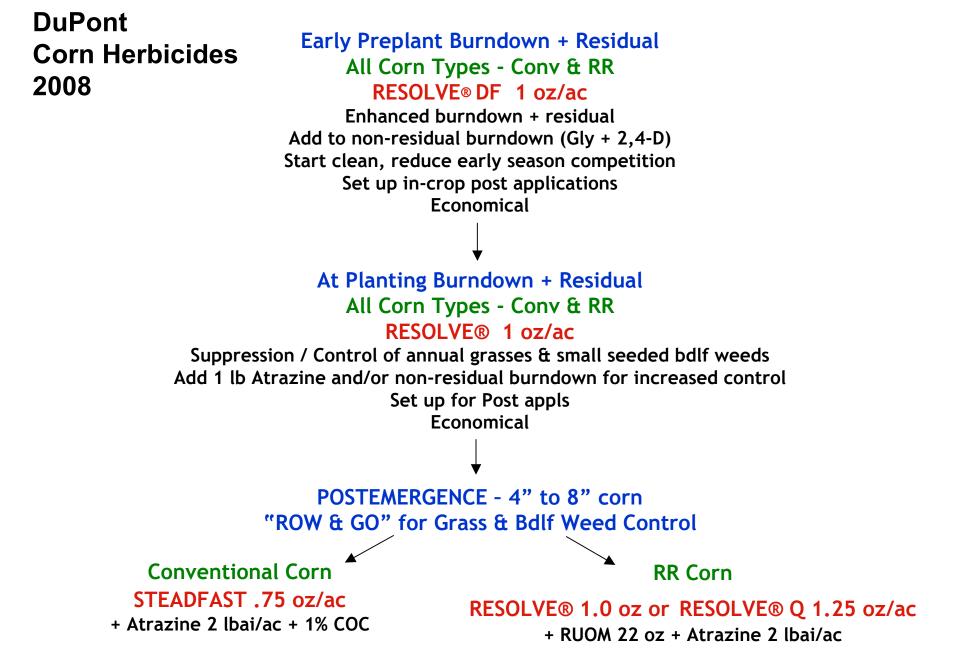
Require® Q

Resolve™ Q – new for corn

- Mixture of Resolve + Harmony + Safener
- Better choice for in-crop applications
 - Same residual grass control as Resolve DF
 - Improved postemergence control of bdlfs
 - PSW, LQ, VL, PW
 - Built-in crop safety
 - Safens the mixture of Resolve + Harmony
 - Less impact from varying environmental conditions
 - Safens across more hybrids
 - Widens application window by one collar
 - Use rate: 1.25 oz/ac, tankmix with gly + atz

Require™ Q – new for corn

- Mixture of Resolve + Dicamba + Safener
 - Same residual grass control as Resolve DF
 - Outstanding contact broadleaf control
 - Dicamba another MOA
 - Built-in crop safety
 - Less impact from varying environmental conditions
 - Widens application window 1 collar
 - Safens across more hybrids
 - Use rate: 4 oz/ac, tankmix with gly + atz
 - Corn must be at least 4" (V2) up to 20" (V6)



Refer to Federal Labels for use instructions

Resolve[™] DF Herbicide in Preplant Applications

49 days after EPP application - 28 days after planting L. D. Brantley Farms, England, AR; Spring 2006



Glyphosate + 2,4-D + Resolve[™] DF 1 oz/ac

Glyphosate + 2,4-D

Resolve[™] DF:

- improved burndown control
- residual prevents reinfestation
- reduces early season competition
- allows greater flexibility for in-crop applications

Resolve Early Preplant @ 1 oz/A Residual Henbit Control



L. D. Brantley Farms England, AR Spring, 2007

Resolve 1 oz/A

Untreated

Applied Preplant to freshly tilled beds, corn planted 21 days after application

DuPont Soybean Herbicides 2008 Update

- **EnviveTM**--for Preplant Thru At Plant App.
 - New product for 2008
 - 2 MOA / 3 actives
 - Chlorimuron + Thifensulfuron + Flumioxazin
 - Rate Range: 2.5 to 5 oz/A
 - KEY rate: 3.5 oz/A (Syn XP 1.5 oz + Valor 2 oz)

Canopy[®] EX—for Preplant Applications

- KEY rate: 2 oz/A
- KEY Trt.: Gly + 2,4-D + Canopy EX 2.0 oz/A
- Key Benefits: Burndown Plus Strong Residual

Envive™ vs Canopy® EX

| Attribute: | Envive TM | Canopy® EX |
|--|----------------------|------------|
| Control / Suppression of many bdlf and grass weeds broad spectrum | Х | X |
| Excellent control gly-r marestail | X | X |
| Controls ALS-R pigweed | X | |
| Enhances burndown, adds residual | Х | Х |
| Reduces early season competition | Х | Х |
| Sets up / reduces # of in-crop appls | Х | X |
| Economical | Х | X |

Canopy[®] EX Enhanced burndown + residual



Canopy[®] EX 2 oz/ac + Gly + 2,4-D EPP / (Gly + Classic) 32 DAP

EPP applied 4/4/07 Soybeans planted 5/9/07 (36 DAT) In-crop glyphosate application 6/10/07 Photos taken 7/10/07

Rynaxypyr™ Insecticide

- A new lep insecticide for use in fruits, nuts, and vegetables as well as some row crops including cotton.
- Registration expected in early 2008
- New class of chemistry with a new mode of action.
- Trade Names:
 - Coragen[™] SC leafy & fruiting vegetables, brassica, cucurbits, cotton, potatoes
 - Altacor™ 35WDG pome & stone fruits, grapes

Rynaxypyr™ Insecticide Biological Attributes:

- Highly potent at low use rates
- Excellent crop protection with rapid feeding inhibition (minutes)
- Systemic properties seed treatments, drip irrigation, soil drenches, foliar
- Long-lasting residual 14 plus days
- Excellent knockdown activity
- In cotton, control & plant protection equal to BG II

Rynaxypyr™ Insecticide

Rice Seed Treatment

- Currently under development
- Section 18's to control RRW requested for 2008
- Trade name will be Dermacor[™] X-100
- Rice water weevil control equivalent to Icon
- Appears to have good activity on grape colaspis (lespedeza worm) and rice stem borer
- Should see 2007 data at winter meetings

Rice Water Weevil Mike Stout Trial - Crowley, La. 72 Days After Planting



Untreated Check

DuPont[™] Dermacor[™] X-100 Seed Treatment

Rice Water Weevil M.O. Way trial, Beaumont, TX June 22, 2007



Untreated Check

DuPont[™] Dermacor[™] X-100 Seed Treatment

Note height difference and tiller size

Punch Fungicide Control of ASR in soybeans

- Triazole chemistry flusilazole
- Received Sec 18 on Feb 7, 2007
- Valid through 6/15/2010
- Excellent control of ASR both curative & preventative activity
- Use rate of 3 4 oz/acre (one shot, late for ASR)
- Tank mix with strobes @ 3 oz/ac
- Economical

THANK YOU !! Questions

DuPont Wheat Herbicides

NO Ryegrass

Bluegrass / Winter Annual Bdlfs Finesse®

0.5 oz Preemergence

Drilled Wheat Good suppression of annual bluegrass Excellent control of winter annual bdlfs Long residual Recrop to STS or STS / RR Soybeans

Garlic / Winter Annual Bdlfs Harmony® Extra XP 0.4 oz Fall / 0.5 oz Spring

Drilled or Broadcast Seeded Excellent control of garlic & winter annual bdlfs Add 1 pt 2,4-D in spring if marestail is present No residual Rotational Flexibility

Ryegrass Present

Light to Moderate Infestation Finesse®

0.5 oz Preemergence

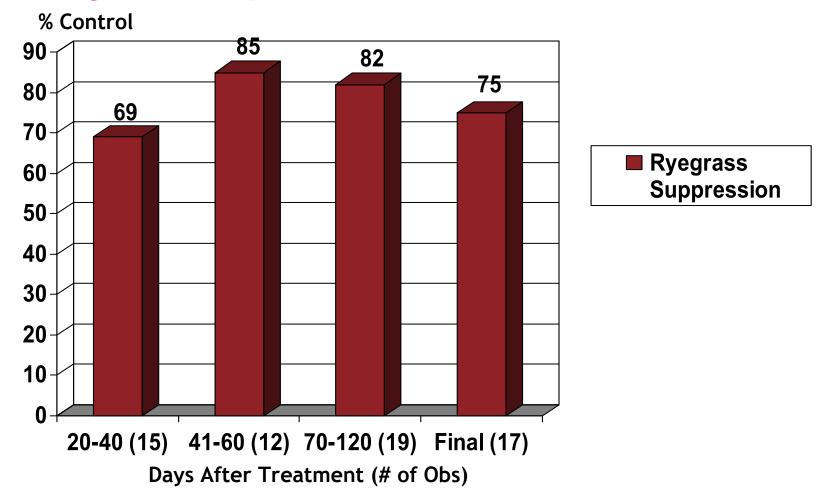
Drilled Wheat Good suppression of annual ryegrass & bluegrass Excellent control of winter annual bdlfs Long residual Recrop to STS or STS / RR Soybeans Moderate to Heavy Infestation Finesse® Grass & Broadleaf 0.9 oz Early Post

Drilled or Broadcast Seeded Good control of annual ryegrass Excellent control of winter annual bdlfs Carefully consider recrop options

Refer to Federal Labels for use instructions

Finesse[®] - Ryegrass Suppression

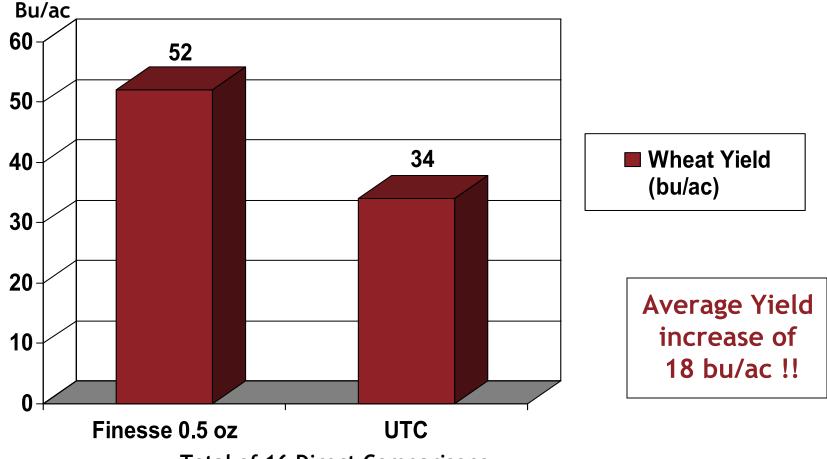
Preemergence 0.5 oz product/ac on Winter Wheat



1999-2007 Mid South Data Summary 20 University & 2 DuPont Trials

Finesse[®] - Ryegrass Suppression

Preemergence 0.5 oz product/ac on Winter Wheat



Total of 16 Direct Comparisons

1999-2007 Mid South Data Summary 15 University & 1 DuPont Trial

Finesse[®] - Ryegrass Suppression



Finesse® 0.5 oz/ac Preemergence

Untreated

Finesse[®] Grass & Broadleaf New Wheat Herbicide

- 25% Chlorsulfuron
- 46.7 % Flucarbazone-sodium
- 2 active ingredients result in very broad spectrum control of both grass & broadleaf weeds
- Excellent crop safety
- Refer to the Finesse® Grass & Broadleaf herbicide label for complete directions for use and precautions
- Always read and follow the label

Finesse[®] Grass & Broadleaf Ryegrass Control



SWH-06-004 Finesse[®] G&B 0.9 oz/ac Applied 12/2/05 Slide taken 5/9/06

Finesse[®] Grass & Broadleaf Application Timing

- Apply postemergence after winter wheat has 2 leaves up to jointing
- Postemergence control of grass weeds
 - Treat ryegrass from 1-leaf and prior to tillering
- Postemergence and soil residual control of broadleaf weeds
- Add a NIS at 0.5% v/v with water carrier
- Liquid nitrogen fertilizer solutions may be used as a carrier*
- Tank mix flexibility with other herbicides, insecticides, & fungicides*
 - * Consult product label(s) for additional use instructions

Resolve Early Preplant @ 1 oz/A Residual Henbit Control (close up)



Resolve 1 oz/A

Untreated

Applied Preplant to freshly tilled beds, corn planted 21 days after application

L. D. Brantley Farms; England, AR Spring, 2007

DuPont™

Soybean Herbicides

Early Preplant Burndown Plus Residual All soybean types - Conv / RR / STS

Marestail, ALS-R Pigweed, Grass & Bdlf Weeds Envive® at 3 to 4 oz/ac (3.5 oz/ac) 3 actives / 2 MOA - thifen, chlorimuron, flumi Nov 1 through at-plant appls Enhanced burndown + residual Add to non-residual burndown (Gly + 2,4-D) Start clean, reduce early season competition Set up in-crop post appls

Marestail, Grass & Bdlf Weeds Canopy EX® at 1.5 - 2 oz/ac Nov 1 through 7 days preplant

Enhanced burndown + residual Add to non-residual burndown (Gly + 2,4-D) Start clean, reduce early season competition Set up in-crop post appls Economical

At Planting Burndown Plus Residual All soybean types - Conv / RR / STS

ALS-R Pigweed, Grass & Bdlf Weeds Canopy® DF at 4 to 6 oz/ac Envive® at 3 oz/ac

Control / Suppression of annual grass & bldf weeds Burndown & residual Reduces early season competition Set up in-crop post appls

Grass & Bdlf Weeds

Synchrony® XP at 1.5 to 2 oz/ac

Control / Suppression of annual grass & bldf weeds Burndown & residual Reduces early season competition Set up in-crop post appls Economical

DuPont™ Soybean Herbicides

POSTEMERGENCE In-Crop

STS/RR Soybeans Synchrony® XP .75 - 1.125 oz/ac + Glyphosate Broad spectrum grass & bdlf control Excellent post activity on mg, hs, yns Adds in-crop residual No grass antagonism when added to Gly Economical

RR Soybeans Classic® .25 - .33 oz/ac

+ Glyphosate Broad spectrum grass & bdlf control Increases post activity on mg, hs, yns No grass antagonism when added to Gly Economical

Look to DuPont[™] for your soybean herbicide needs !!

| DuPont Crop Protection Soybean Herbicide Positioning Summary | | | | |
|--|--------------------------|-------------|-------------------------|--|
| Product | Nov 1 to 7 Days Preplant | At Planting | Early Post | |
| Canopy® EX | Yes | No | No | |
| Envive® | Yes | Yes | Νο | |
| Canopy® DF | Νο | Yes | Νο | |
| Synchrony® XP | Νο | Yes | Yes (STS soybeans only) | |
| Classic® | Νο | No | Yes | |

Envive® Registration Pending @ EPA Refer to Federal Labels for use instructions

Marestail Competition



Competitive effects from marestail not controlled prior to planting !!

Optimum[™] GAT[™] Herbicide Resistance Technology

- New, genetically engineered herbicide resistance technology for glyphosate and ALS herbicides (all).
- Glyphosate and ALS tolerant traits are combined, both present in the host plant - will be referred to as Optimum[™] GAT[™]
- Federal Registration expected in 2009 for soybeans & 2010 for corn.
- New herbicide concepts currently under development.
- Technology delivered to the market by Pioneer, Syngenta Seeds, and Green Leaf Genetics.

More Choices. More Yield. More Value.