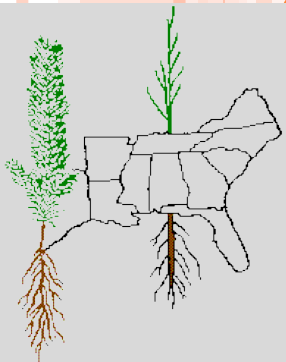




PRODUCTS, LABELS & LEGISLATION

Tom Starkey
Southern Forest Nursery
Management Cooperative
Auburn University



CONTACT MTG 2010

○ New Products

- Adorn fungicide
- PETER'S 17-3-17 Ph
Neutral Cal Mag

○ New Labels

- Other sources for:
 - Bayleton
 - Permethrin
 - Chlorpyrifos
 - T-methyl

○ New Legislation

- Disclosure of inert ingredients
- Removal of false or misleading information on labels
- Regulation of pesticide discharge into water ways



NEW

Labels



PERMETHRIN INSECTICIDE FOR CONTROL OF REGENERATION WEEVILS

- EPA announced on Feb 25, 2011 the cancellation of state 24c labels for Waylay 3.2 AG

Conifer Nursery Spray

CROP	PEST	APPLICATION RATE
Conifer Nurseries (Conifer Seedlings)	Regeneration Weevils (Hylobius pales) (Pachylobius picluorus)	2 qts. per 100,000 trees (appx. 1 ¼ acres)



Tenkoz



Active Ingredient	
Permethrin*	36.8%
Other Ingredients**	63.2%
TOTAL	100.0%

*cis/trans ratio: Max. 42% (\pm) *cis* and min. 58% (\pm) *trans*

** Contains petroleum distillates.

Contains 3.2 pounds permethrin per gallon as an emulsifiable concentrate.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF SWALLOWED	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give any liquid to the person.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.• Call a poison control center or doctor for further treatment advice.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: Contains petroleum distillates – vomiting may cause aspiration pneumonia.

EPA Reg. No. 70506-9-55467

Manufactured for:

Tenkoz, Inc.

100 North Point Center East • Suite 330

Alpharetta, GA 30022

Net Contents:

1 Gallon

EPA Est. No. is indicated by the first letter
of the batch number printed on this container:

A = 53883-TX-002

B = 5905-GA-1

C = 66196-CA-1



Insecticide

EPA Reg. No. 70506-9-5905

EPA Est. No. 53883-TX-002

Active Ingredient	
Permethrin*	36.8%
Other Ingredients**	63.2%
TOTAL	100.0%

*cis/trans ratio: Max. 42% (\pm) cis and min. 58% (\pm) trans

** Contains petroleum distillates.

Contains 3.2 pounds permethrin per gallon as an emulsifiable concentrate.

KEEP OUT OF REACH OF CHILDREN

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Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance call the National Pesticide Information Center 1-800-858-7378.	
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300	
NOTE TO PHYSICIAN: Contains petroleum distillates – vomiting may cause aspiration pneumonia	

Net Contents: 1 gallon, 30 gallons, 55 gallons

EPA Est. No. is indicated by the first letter of the batch number printed on this container:

A = 66196-CA-1

B = 37429-GA-02

SN

MANUFACTURED FOR

HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300

COLLIERVILLE, TENNESSEE 38017

Helena Chemical Co

THIRAM – USED AS A FUNGICIDE
AND BIRD REPELLANT





Defiant®

Turf Fungicide and Animal Repellent

ACTIVE INGREDIENT:

Thiram (Tetramethylthiuram disulfide)..... 75.0%

OTHER INGREDIENTS..... 25.0%

TOTAL 100.0%

EPA Reg. No. 45728-21

EPA Est. No. 32557-BEL-1

For sale to and use by professional applicators only. Not for sale to or use by homeowners/consumers.

KEEP OUT OF REACH OF CHILDREN
CAUTION



Taminco, Inc.
3350 Riverwood Parkway
Suite 1900
Atlanta, GA 30339

SPECIMEN LABEL

SPOTRETEFTM

TURF FUNGICIDE AND ANIMAL REPELLENT

For the control of select foliar diseases in non-residential turf, and animal repellency on deciduous and evergreen trees and shrubs (and non-bearing vines and orchards).

ACTIVE INGREDIENT:

Thiram* [Tetramethylthiuram disulfide]42.11%

INERT INGREDIENTS57.89%

TOTAL100.00%

Equivalent to 4 lbs. Thiram per U.S. gallon or 480 g/l



CLEARY CHEMICAL CORPORATION

178 RIDGE ROAD

DAYTON, NJ 08810-1501

www.clearychemical.com

STA-PUT – DEPOSITION AID



DEPOSITION AID

For use with most water-based crop and noncrop pesticide spray solutions.
One gallon of STA-PUT treats up to 200 gallons of spray solution.

PRINCIPAL FUNCTIONING AGENT:

POLYVINYL POLYMER.....1.0%

CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANTS.....99.0%

TOTAL.....100.0%

MANUFACTURED FOR

HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300

COLLIERVILLE, TN 38017

STA-PUT® IS AN EFFECTIVE, EASY-TO-USE DEPOSITION AID FOR
INCREASING DEPOSITION AND CANOPY PENETRATION IN SPRAYING
OPERATIONS.

STA-PUT® deposition aid is compatible with most water soluble, emulsifiable, and
wetable powder pesticides, desiccants and cotton defoliants when applied by aerial or
ground application equipment.

HARD WATER AID

3- Way Action

1. Reduce spray drift
2. Treats hard water
3. Makes pesticides “hot”



PRINCIPAL FUNCTIONING AGENTS:

polyhydroxycarboxylic acids, sulfates, and polymeric deposition agents	35.0%
Constituents ineffective as a spray adjuvant	65.0%
TOTAL.....	100.0%

GENERAL INFORMATION

Accuquest® WM is a unique blend of polymers, water conditioners, sequestrants, and ammonium salts designed to increase pesticide deposition onto foliage and enhance the performance of pesticides. Accuquest® WM also contains polymeric sequestrants and chelating agents which tie up hard water cations, thus preventing them from deactivating some herbicides. The forms of ammonia ion in Accuquest® WM have been recognized as effective enhancers of pesticide uptake by some plant species. Accuquest® WM physically modifies the deposition characteristics of the spray solution. As a result of these properties, Accuquest® WM can improve pesticide spray application and efficacy. Accuquest® WM does not contain buffering agents or surfactants and is compatible with sulfonylurea herbicides. Unlike many drift control agents, Accuquest® WM is compatible with glyphosate and sulfosate formulations and ionic herbicides such as paraquat.

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TN 38017

PROLINE REGISTRATION- *ALMOST*

- On March 23 - EPA opened a 30 day comment period for what we thought was the final hurdle to the registration of Proline for nursery use.
- Comments were received by EPA from only 2 member nurseries.
- Just prior to the close of the comment period EPA contacted Bayer CropScience to inform them they were concerned about the possible bird predation of any seed treated with Proline.




PROLINE REGISTRATION- *ALMOST*

- We were asked to prove to EPA that bird predation is not a potentially serious problem.
- The only data we had was from 1980. This along with a in-depth description of the sowing process was sent to Bayer and EPA.
- Bayer CropScience has taken our data and requested an extension and is working with EPA to resolve questions. We expect an answer around July 25.



SULFOXAFLOL – A FUTURE REPLACEMENT FOR ASANA®?

- Dow AgroSciences is in the process of labeling Sulfoxaflor for control of aphids, whiteflies, hoppers, and Lygus bug. Expect label in 2012.
 - Sulfoxaflor, the first product from this new class (the sulfoximines) of insect control agents, exhibits broad-spectrum, fast acting efficacy, low use rate.
 - EPA has received specific exemption requests from the **Arkansas** State Plant Board, **Louisiana** Department of Agriculture and Forestry, **Mississippi** Department of Agriculture, and **Tennessee** Department of Agriculture to control the tarnished plant bug on up to 1.4 million acres.
- 



Products



Worth 1000.com



SOIL STABILIZERS

- Agrilock – Frobo Adhesives
- Fuller – HB Fuller
- **Soilworks, LLC.**
Soil Stabilization and Dust Control
2450 South Gilbert Road, Suite 210
Chandler, Arizona 85286-1595
(800) 545-5420

www.soilworks.com



MARKET COVERAGE

Frobo Adhesives

- Formulated adhesives for product assembly, packaging, graphic arts and paper converting markets

H.B. Fuller Company

- Industrial adhesives, sealants, paints and other specialty materials

SoilWorks

Soil Stabilization, Dust Control & Erosion Control products



SOILWORKS

- Soiltac[®]
- Powdered Soiltac[®]
- Durasoil[®]
- Gorilla-Snot[®]



TREATMENTS

- Treatments:
 - Control (only water)
 - Agrilock @10:1 (10 parts water : 1 part SS)
 - SoilTac @15:1
 - SoilTac @ 10:1
 - SoilTac @ 5:1
 - Gorilla Snot @ 10:1



TREATMENTS ETC

- 3 rows of 50 slash pine seed sown per treatment. Seeds spaced @ $\frac{1}{2}$ "
- 2 replications (not nearly enough, all I had room for this year
- Soil lightly wetted before spraying
- Sprayed @ 139 ml/ft²
- Allowed to “cure” for ~ 3.5 hours
- Boxes were watered 3 times per day 10 min each until germination began



BOXES WITH DIVIDERS FOR SPRAY



SOWING SEED



SLASH SEED – 50/ROW + 3 ROWS/TRT



SPRAYING A TREATMENT



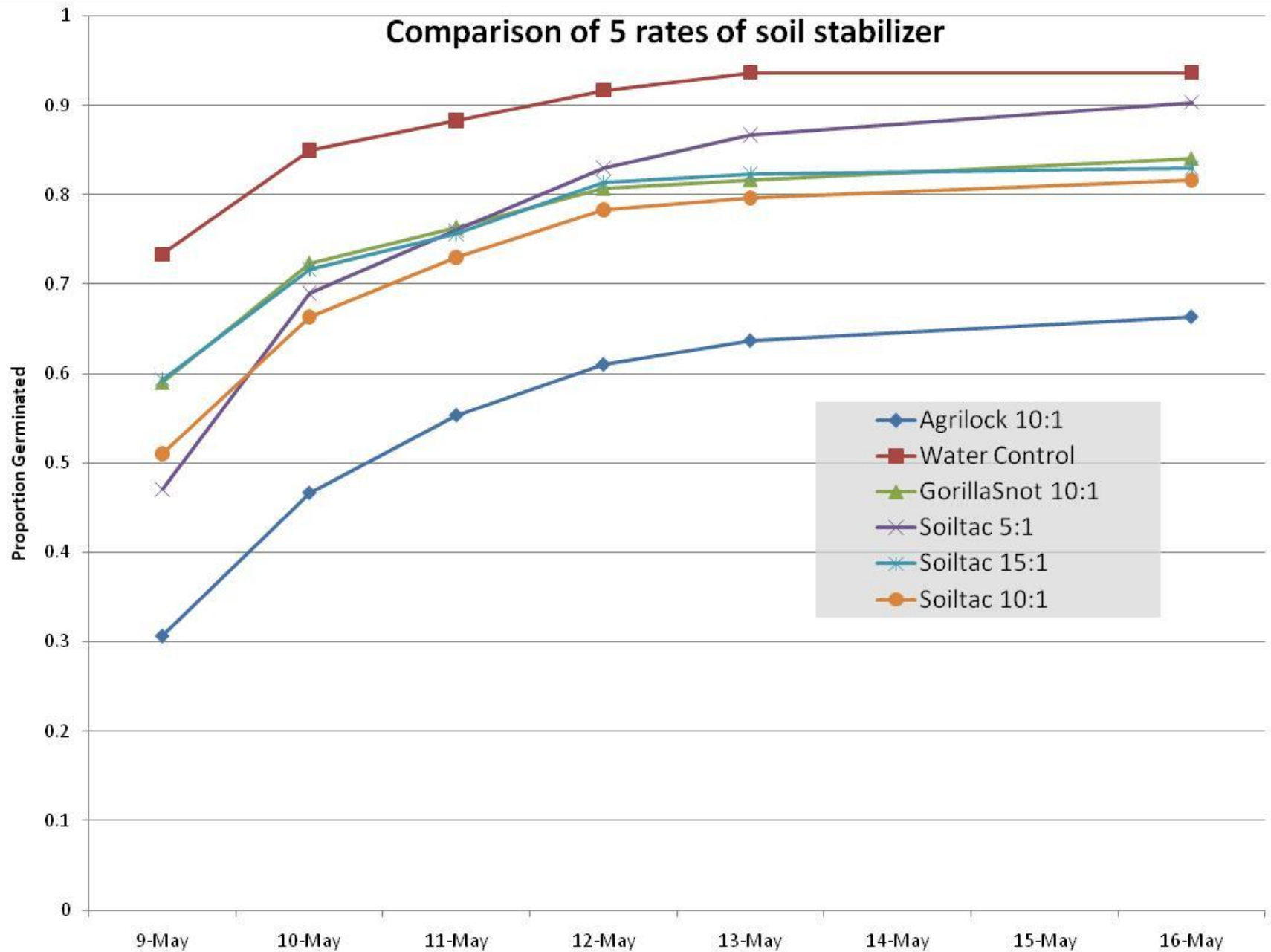
1 BOX AFTER SPRAYING AND DIVIDERS REMOVED – 3.5 HOURS AFTER



White labels are center of treatment and red labels marked end of each trt



Comparison of 5 rates of soil stabilizer



INFILTRATION OF 1 ML OF WATER (5X) – 1 BOX

	# Seconds
Control	0.1
GorillaSnot @ 10:1	9.8
Soiltac @ 5:1	6.9
Soiltac @ 10:1	8.7
Soiltac @ 15:1	3.8
Agrilock @ 10:1	22.9



FINAL OBSERVATIONS

- GorillaSnot and low rate of SoilTac (15:1) has breakdown of soil stabilizer within the seedling rows.



FINAL OBSERVATIONS

- Bed integrity in the SoilTac 10:1 and 5:1 and the Agrilock is good.



COST

Prices will vary dependant upon quantity:

- HB Fuller – \$0.92/lb
- Agrilock - \$0.92/lb
- Soiltac - \$0.97/lb





and pending Legislation



ON THE TABLE - EPA

1. EPA Seeks Public Comment on Petition for Bilingual Pesticide Labels.

EPA is inviting public comment until June 28, 2011

2. EPA Invites Public Comment on Fumigant Iodomethane Petition concerning a petition requesting that all registrations of iodomethane (also called methyl iodide) be suspended and cancelled.

Comments closed on May 13, 2011



ON THE TABLE - EPA

- The Environmental Protection Agency (EPA) has updated its schedule for the review of pesticide re-registrations for 2011

Active Ingredient

Prodiamine

Flumioxazin

Fludioxonil

Trade Name

Barricade (Herbicide)

Broadstar (Herbicide)

Medallion (Fungicide)



MBR CRITICAL USE EXEMPTION FOR 2014

- We have worked with all Coop States to ensure proper wording of applications to allow for usage of MBr.
- We thought this year was the last time this application was needed.
- Due August 15, 2014.
- More information than this year than last.
- Will continue to be a requirement in order to
 - (1) keep “Foreign” off radar screen.
 - (2) help with supply of
 - (3) allow for able Coop expansion to FL and KY.



MBR CRITICAL USE EXEMPTION FOR 2014

- We've got good news and bad news.....
- The good news is we still have MBr for QPS use.
- The bad news is...
- Scott will tell you the bad news in his presentation.



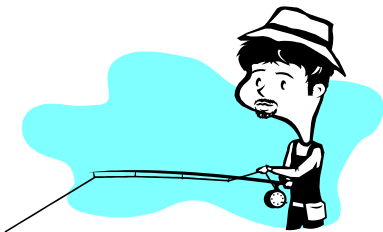
REMINDER - HELP US KEEP IN CONTACT WITH RETIRED NURSERY WORKERS

Send contact information to:

Robert Cross @ recross@arborngen.com



We will contact those on the list
and keep them informed of
Nursery Cooperative activities
and news



WHAT WE HAVE AND NEED....

We have contact info on

- Ken Woody
- Joe Douberly
- Steve Cantrell
- Rick Barham
- Junior Hendrix

We need...

- GW Thompson
- Philip Wilson
- Bill Boeckman
- ?????
- ?????



2011
**Western Forest
and Conservation
Nursery Association
Annual Meeting**



See
August 18
for an IPM workshop
offering
pesticide
recertification
credits

**Optimizing Seedling
Production, Nursery
Marketing, and
Outplanting Success**

August 16 – 18, 2011
Denver, CO

Registration questions?

Call Michele at (888) 722-9416 or (503) 226-4562
or richard@westernforestry.org

Western Forestry and Conservation Association
4033 SW Canyon Rd., Portland, OR 97221
503-226-4562 | 888-722-9416 | Fax: 503-226-2515

Hotel Reservations by July 16
Mtg Registration by Aug 8

August 16-18, 2011
Hilton Garden Inn Cherry Creek • Denver, CO

