

Issues in Agriculture

The Newsletter about Integrated Pest Management for the El Paso Valley

Volume: 39
Issue: 12
Date: December 19, 2014

Salvador Vitanza, Ph.D.
Extension Agent- IPM
svitanza@ag.tamu.edu



El Paso County Ysleta Annex, 9521 Socorro Rd, Suite A2-Box 2, El Paso, TX 79927. Phone: (915) 860-2515. Fax: (915) 860-2536
Texas AgriLife Extension El Paso County: <http://elp.tamu.edu/> Pecan IPM Pipe: <http://pecan.ipmpipe.org/> TPMA www.tpma.org/

ANNOUNCEMENTS

- You can download this and other IPM newsletters, check updates, and view upcoming events at the El Paso Texas A&M AgriLife Extension IPM website: <http://elp.tamu.edu/integrated-pest-management/>
- The 2015 El Paso Pesticide Applicator Training** will be held on Tuesday February 10 at the Ysleta Cultural Arts Center, 9600 Simms (Exit I-10 @ McRae), El Paso, Texas 79925 from 7:30 A.M. to 3:00 P.M. This event is sponsored by the Texas A&M AgriLife Extension Service, the Texas Department of Agriculture, El Paso Pest Management Association, and the Ysleta Independent School District. The cost will be the same as last year, \$50.00 early registration (before February 3) and \$60.00 on site registration including lunch, handouts, and other goodies. Five CEUs may be obtained for the Texas Department of Agriculture, the Structural Pest Control Service, and the New Mexico Department of Agriculture, for commercial, non-commercial, and private pesticide applicators. For general information, please call Texas A&M AgriLife Extension Service 915-860-2515. For licensing information, contact Mario Saavedra (TDA) 915-859-3942. Please see attached flyer and agenda.
- 2015 NM Cotton Growers Association Conference** will be held on Wednesday, January 14, 2015 from 8:00 AM to 4:00 PM at the Ruidoso Convention Center (111 Sierra Blanca Dr., Ruidoso, NM). 4 General Credit CEUs for New Mexico and 3 CEUs for Texas will be available. Register no later than January 5, 2015. Registration fee is \$25 per person. More info: Patrick Sullivan; Email: nmbollweevil@zianet.com; Phone: 575-541-0584. To download registration form visit: <http://aces.nmsu.edu/ces/ifcpm/documents/cotton-conference-2015.pdf>

COTTON:

2014 El Paso Pima and upland cotton variety trials:

Although I am still waiting to receive the fiber analysis data, I would like to present you with the seed cotton and lint yield results, the gin turnout percentage, and the estimated pounds of lint per acre before the year is over. Please consider the fact that these results have not been analyzed statistically. These are only direct averages and the differences among treatments may or may not be significantly different. I will provide the statistical analysis once I have received the fiber data. I am showing partial test results early because cotton growers always enjoy receiving variety yield data as soon as possible to start considering possible variety selection for the next growing season.

PIMA: The following table shows partial results of the **2014 pima cotton variety trial** conducted with Mr. Ramon Tirres Jr. at his Farm on North Loop Drive near the intersection with Web Road. This test was planted on April 29, using a seeding rate of 17.3 lb/acre, and harvested on December 2, 2014. The plots consisted of 4 rows spaced at 40 inches and a length of 600 feet, replicated 3 times. The total row length per variety was 7,200 feet (600' x 4 rows x 3 reps) equivalent to 0.55 acres in 3 reps (7200/13069.3) or 0.18 acres per plot (0.55/3). A 4-row field margin was used to minimize border effect. Varieties sorted by pounds of lint/acre:

Variety	Average seed cotton per plot (lbs)	Average seed cotton per acre (lbs)	Average lint turnout percentage	Average lint per acre (lbs)
DP357	460	2,634	43%	1,077
DP340	470	2,693	42%	1,075
DP358	416	2,384	41%	929
DP348	370	2,120	42%	846
PHY805RF	297	1,700	44%	711

UPLAND: The following table shows partial results of the **2014 upland cotton variety trial** conducted with Mr. Harvey Hilley Jr. at his Farm on Bovee Road near the intersection with Alameda Ave. This test was planted on May 5 and harvested on December 1, 2014. The plots consisted of 4 rows spaced at 38 inches and a plot length of 1,218 feet, replicated 4 times. The total row length per variety was 19,488 feet (1218' x 4 rows x 4 reps) equivalent to 1.42 acres in 4 reps (19,488/13,755.8) or 0.35 acres per plot (1.42/4). An 8-row field margin was used to minimize border effect. The following table contains varieties ranked by pounds of lint/acre:

VARIETY	Average seed cotton per plot (lbs)	Average seed cotton per acre (lbs)	Average lint turnout percentage	Average lint per acre (lbs)
DP1321B2RF	1,695	4,785	46%	2,201
ST4946GLB2	1,689	4,768	46%	2,173
FM2484B2F	1,491	4,210	47%	1,972
PHY375WRF	1,473	4,159	47%	1,958
FM2334GLT	1,374	3,878	49%	1,895
PHY499WRF	1,379	3,893	46%	1,785
PHY367WRF	1,360	3,839	46%	1,765
DP1212B2RF	1,327	3,746	46%	1,724

PIMA COTTON PLANT STAND DENSITY TEST:

The following table shows partial results of the **2014 pima cotton plant stand density trial** conducted with Mr. Ramon Tirres Jr. at his Farm on North Loop Drive near the intersection with Web Road. This test was planted on April 29, using the variety DP357 at the following 3 seeding rates: High (17.3 lbs/acre), Medium (15.3 lbs/acre), and Low (13.1 lbs/acre). This trial was harvested on December 2, 2014. The plots consisted of 8 rows spaced at 40 inches and a length of 600 feet, replicated 3 times. The total row length per variety was 14,400 feet (600' x 8 rows x 3 reps) equivalent to 1.1 acres in 3 reps (14,400/13069.3) or 0.37 acres per plot (1.1/3).

Lbs of seed per acre (variety DP357)	Plant stand density (30 DAP)	Average seed cotton per plot (lbs)	Average seed cotton per acre (lbs)	Average lint per acre (lbs)
High (17.3 lbs)	86,249	863	2,350	1,011
Med. (15.3 lbs)	54,886	938	2,554	1,098
Low (13.1 lbs)	45,738	950	2,587	1,112

Note: The average lint turnout percentage for the pima variety DP357 was 43%. These data have not been analyzed statistically and differences among treatments may not be significantly different. In the first newsletter of January 2015, I will provide the statistical analysis for this test. It is interesting to see that seed cotton and lint yield values were inversely proportional to the amount of seed used at planting. In other words, the smaller amounts of seed used at planting, the greater the yield. These results may not apply to other locations or to a different year, but it is encouraging to know that it is possible that savings could be obtained by planting less cotton seed while obtaining greater yields.



The Texas AgriLife El Paso IPM Program is partially supported by the following organizations:

West Texas Pecan Association
 Ag Market Resources
 El Paso Pest Management Association
 Texas Pest Management Association
 Valley Gin Company, Tornillo

Educational programs of the Texas A&M AgriLife Extension Service are open to all people without regard to race, color, religion, sex, national origin, age, disability, genetic information or veteran status. The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas Cooperating.



PESTICIDE APPLICATOR TRAINING 2015

DATE: February 10, 2015

LOCATION: YISD (Ysleta Independent School District)
9600 Simms (Exit I-10 @ McRae)
El Paso, Texas 79925

TIME: 7:15 A.M. - 3:00 P.M.

REGISTRATION: Includes lunch, refreshments and handouts (same cost as last year)
\$50.00 early registration (before January 28, 2014)
\$60.00 on site registration

License holders must present a valid pesticide applicator's license or a driver's licenses to receive credit for the training.

Make checks payable to: Greater El Paso Pest Control Association (or GEPPCA)
Ysleta Annex
9521 Socorro Road, Suite A2- Box 2
El Paso, TX 79927

Sponsored By:

- * Texas AgriLife Extension Service
- * Texas Department of Agriculture
- * El Paso Pest Management Association
- * YISD (Ysleta Independent School District)

Five CEUs may be obtained for TDA, SPCS, NMDA, commercial, non-commercial, and Private Pesticide Applicators. For general information, please call Texas AgriLife Extension Service at (915) 860-2515. For licensing information, contact **Mario Saavedra** (TDA) at (915) 615-9023.

Salvador Vitanza, Ph.D.
Extension Agent – IPM
Texas AgriLife Extension Service



Mario Saavedra
Regional Education Specialist
Texas Department of Agriculture

*We will seek to provide reasonable accommodations for all persons with disabilities to any of our meetings. We request that you contact Texas AgriLife Service at (915) 860-2515, one week in advance to advise us of the auxiliary aid or service you will require.

AGENDA

PESTICIDE APPLICATOR TRAINING 2015

February 10, 2015.

JOINT SESSION

- 7:45 AM – 8:15 AM Pest report for urban and Ag in 2014. Dr. Salvador Vitanza
Extension Agent – IPM, El Paso
Texas A&M AgriLife Extension Service
- 8:15 AM – 9:15 AM Pest and Disease Identification Dr. Kevin Ong
Associate Professor & Director of
The Texas Plant Disease Diagnostic Laboratory
- 9:15 AM - 10:15 AM Weed Management Tommy Kezar
CTN Educational Services Inc.

10:15 AM - 10:45 AM **Break**

SPLIT SESSION

GENERAL GROUP

- 10:45 AM - 11:45 AM IPM in Urban Landscapes Dr. Mark Muegge
Assoc. Professor & Extension Entomologist
Texas A&M AgriLife Extension Service

AG GROUP

- 10:45 AM - 11:45 AM WPS-RTK Mario Saavedra
Regional Education Specialist
Texas Department of Agriculture

LUNCH 11:45 AM - 1:00 PM

SPLIT SESSION

AG GROUP:

- 1:00 PM-2:00 PM IPM in Agriculture Dr. Mark Muegge
Assoc. Professor & Extension Entomologist
Texas A&M AgriLife Extension Service

GENERAL GROUP:

- 1:00 PM-2:00 PM Urban Forestry Oscar Mestas
Staff Forester III
Texas A&M Forest Service

JOINT SESSION

- 2:00 PM - 3:00 PM Laws and Regulations. Randy Rivera
Administrator for Agriculture Protection and Certification
Agriculture and Consumer Protection, Texas Department of Agriculture

Note: Remember that you are responsible for your CEU certificates and Texas AgriLife Extension Service does not retain copies.