

**Fire Ant Management in Texas  
Survey, Quarantine and Regulatory Activities Project of the Texas  
Department of Agriculture**

**Introduction**

As an integral part of the project on Fire Ant Management in Texas, the Texas Department of Agriculture (TDA) plays a central role in preventing the artificial spread of the red imported fire ant (IFA), *Solenopsis invicta* Buren into non-infested areas through regulatory and quarantine actions. These regulatory activities also serve as the foundation for phytosanitary certification of plant material marketed outside of Texas. TDA will continue to emphasize a number of regulatory measures to help control the spread of IFA. These activities involve annual surveys, establishment of quarantine areas, treatment of newly established populations, distribution of quarantine maps, export certification of products and locations free of IFA infestation, establishing compliance agreements with nursery/floral businesses for quarantine treatment, certification of beehive equipment for the shipment of beehives to IFA-free areas, and monitoring shipments from IFA-infested areas.

**Detection Surveys**

Detection surveys will be conducted to locate new sites of infestation along the leading edge of IFA spread. These surveys will also include natural enemies, such as other organisms that may compete with IFA for resources or predate upon or parasitize IFA colonies and hinder their spread to the new areas. TDA will continue to coordinate activities with other state cooperators to enhance the survey efforts and increase the number of counties to be surveyed in the IFA-free areas of the state. Additional surveys are necessary to further the efforts of the entire IFA initiative. Treatment and quarantine efforts will be based on survey results submitted by the cooperators. Cooperators from the University of Texas (UT) at Austin and the Texas Tech University (TTU) have conducted the detection surveys in these counties and reported their findings to the TDA. Researchers from these institutions are expected to continue their cooperation with TDA. Counties proposed for survey include El Paso, Brewster, Lubbock, Hudspeth, Jeff Davis, Presidio, Pecos, Hockley, Lamb, Hale, Floyd, Crosby, Garza, Lynn, Terry, Terrell, Crockett, Sutton, Schleicher, Menard, Concho, Coleman, Callahan, Shackelford, Throckmorton, Baylor, Archer, Clay, Jim Hogg, Starr, Zapata, Winkler, Ward, Crane, Upton, Reagan, Glasscock, Howard, Martin, Andrews, Irion, Sterling, Coke, Nolan, Fisher, Stonewall, Haskell, Wilbarger, Baylor, Runnels, Loving, Gaines, Dawson, Borden, Scurry, Kent, King, Knox, Foard and Hardeman. The survey protocol is found in Appendix A.

## **Delimiting Surveys**

Delimiting surveys will be conducted by TDA staff using the survey protocol in Appendix A to determine if the pest is spreading or becoming established in the non-infested counties. These surveys are based upon findings of the detection surveys conducted by cooperating institutions. For definitive identification of ant species, inspectors will collect suspect samples for verification by an official identifier. If IFA is detected in a non-quarantined county, TDA may conduct a spot treatment of newly established populations. In addition, TDA will recommend the County Commissioners Court in a newly infested county to undertake further treatment action through community efforts. TDA will conduct follow-up surveys to determine if IFA continues to be present in the county. If it is not economically feasible to conduct the treatment and/or the IFA spread continues, quarantine may be enacted.

## **IFA Quarantine Maps and Outreach Activities**

TDA produces and regularly updates IFA quarantine maps to educate the public about the quarantine and to inform constituents impacted by regulation when moving quarantined articles outside the quarantined area. TDA will continue to produce IFA quarantine maps, share them with cooperating agencies and distribute them at grower and educational meetings. To further disseminate information to the public, maps will be distributed at TDA display booths and will also be made electronically available at the TDA Homepage at [http://www.agr.state.tx.us/producer\\_info/regulatory/reg\\_fire\\_ant.htm](http://www.agr.state.tx.us/producer_info/regulatory/reg_fire_ant.htm). A copy of the current map can be found in Appendix B. TDA will continue its quarantine activities to enhance educational efforts through meetings with nurserymen, the general public, hay producers, beekeepers and other businesses to increase awareness and understanding of the quarantine regulations. In addition, quarantine regulations are updated after the IFA surveys are completed and infested areas in non-quarantined counties are subject to quarantine.

## **Quarantine Activities**

Quarantine regulations facilitate the movement of regulated articles from the regulated area into or through the non-regulated area. The IFA quarantine program assures compliance with provisions of the quarantine by inspections of nurseries and distribution centers for compliance monitoring. TDA will enhance its compliance inspection activities by implementing additional inspections per year at the nurseries and distribution centers, in addition to the current inspection plan. The inspection project implemented during the prior years resulted in the successful interception of noncompliant shipments, and mitigation through rejection and timely treatment of infested shipments before they could be released into the IFA-free areas.

## **Export Certification**

TDA is responsible for certifying products and locations free of IFA infestation, and enforcing the Texas and United States Department of Agriculture Fire Ant Quarantines. TDA will extend its certification program to registered nursery-floral operations through the use of a compliance agreement provision, to facilitate the movement of IFA-free regulated articles outside of the quarantined area. Annual compliance inspections will be conducted to verify that regulated articles for their certification and treatment in accordance with the federal quarantine in the USDA Imported Fire Ant Program Manual (7 CFR 301.81; <http://www.aphis.usda.gov/oa/pubs/ifapub.pdf>). Other compliance inspection activities will include issuing, reviewing or revoking the Compliance Agreement as necessary; reviewing invoices; inspecting commodities and premises; observing and monitoring regulatory treatments; collecting samples from growing media for pesticide analysis to ensure proper treatment; collecting sediment samples for environmental monitoring; and distributing copies of quarantines, quarantine revisions, and maps.

### **Nursery Inspection**

TDA conducts annual inspections at non-regulated facilities (all nursery/floral growing establishments in the state) to determine if quarantined articles are being shipped outside the quarantined area. Treatment of incidental shipments of regulated items from individuals and/or establishments that are not under Compliance Agreements will be directly supervised for phytosanitary certification.

The funds will be used to conduct compliance inspections at facility under IFA compliance agreement during the peak-shipping season. To enhance monitoring of quarantine compliance, TDA inspectors will collect samples from nursery stock and send them to TDA's Pesticide Laboratory at College Station for residue analysis. Holding and shipping areas of the nurseries and bee yards under compliance will also be monitored for the presence of IFA. Monitoring will involve visual inspection, presence of soil where IFA tends to aggregate, and baiting of the holding/shipping areas and trailers or trucks for phytosanitary compliance or certification.

A copy of the Compliance Inspection Report can be found in Appendix C and IFA Compliance Agreement for nurseries can be found in Appendix D. A copy of the Compliance Agreement for Beehive Equipment can be found in Appendix E. A sample collection form for soil and water samples is found in Appendix F.

## **Projected Budget**

The annual budget for FY 2004 is projected to include the salaries (including fringe benefits and indirect costs) of TDA staff to undertake regulatory activities, such as conducting delimiting surveys, nursery compliance inspections, baiting of holding areas, specimen collection and processing for identification, and soil and water sampling for residue monitoring. Detection surveys will be conducted through the cooperating UT and TTU researchers. Fuels/lubricants and travel will be used for vehicle upkeep and to carry out regulatory activities. Publications expenses will involve publication of maps, reports and printing of inspection and certification forms. Supplies include expenses associated with and administrative functions of regulatory activities as well as expenses for delimiting surveys.

### **Projected Annual Budget for Imported Fire Ant Regulatory Activities**

<b>Item</b>	<b>FY 2004</b>
Salaries	\$6,225.00
Fringe benefits	\$1,772.00
Indirect costs	\$2,463.00
Detection surveys (UT and TTU)	\$30,000.00
Fuels/Lubricants	\$1,750.00
Travel	\$3,500.00
Publications	\$2,000.00
Supplies	\$2,291.00
<b>TOTAL</b>	<b>\$50,000.00</b>

## APPENDIX A

### RED IMPORTED FIRE ANT SURVEY PROTOCOL

#### Survey Method

Counties detected as newly infested should be surveyed in the spring/summer months. If available, use the maps of the counties where infestations were detected in the previous years. Refer to the Fire Ant Quarantine Map indicating quarantined counties in the state at [http://www.agr.state.tx.us/producer\\_info/fire\\_ant.htm](http://www.agr.state.tx.us/producer_info/fire_ant.htm). The names of the counties designated for the survey will be sent to the respective Regional Offices from the Plant Quality Programs if required. The delimitation survey will involve:

1. Sampling foraging ants by baiting.
2. Counting number of mounds in an infested area.
3. Estimating the acreage of infested area using a GPS.
4. Sampling ants from the mounds.
5. Labeling the specimen vials.
6. Estimating the pesticide requirement.
7. Treating the area estimated.

#### *Sampling foraging ants by baiting:*

*Selection of a sample site:* Generally, choose the sites in a county where infestation was detected during the past year's detection surveys.

- a. Place four pre-moistened cat food pellets into each screw cap vial. Number the vial with the sampling site and date.
- b. Place 10 vials in a straight line (transect) along the highway right-of-way about 10 feet (three paces) apart. Vial opening should contact the soil to allow access for ants. Collect them after 30 minutes, cap them and place in a plastic bag and label the bag with the vial number, site, county, date and inspector. Insert a similar pencil written label inside the bag. Discard the contents of vials not containing ants and reuse them at another survey location.
- c. Record the sampling site data on the Sample Collection Sheet (Attachment). Mark the site on a county map as well.
- d. Record air temperature, and soil temperature at about a 3-inch depth.
- e. Record observations on the Sample Collection Sheet.
- f. The IFA Sample Collection Sheets and the county maps should be forwarded to the Plant Quality Programs by August 15th. If additional time is needed, please contact the Plant Quality Programs.

### ***Estimating and treating the infested area***

- Estimate the area sampled by walking along the periphery of the infested area and taking GPS readings to determine the area.
- Estimate the amount of pesticides required to treat the area.
- Treat the area according to the label directions, first using a growth regulator (such as fenoxycarb) and then a knockdown product (such as hydramethylnon or diazinon) during a 15-day interval. Ants are most active at 70 to 90° F during May to September. See details on product use under the Two Step Method proposed by Agricultural Extension Service at <http://fireant.tamu.edu>.

If RIFA mounds are detected at a site, collect samples as described in Section 3 below.

***Counting number of mounds in an infested area:*** While waiting for 30 minutes to lapse in the baiting procedure, flag and count the number of visible mounds wider than 6 inches in diameter in the immediate area, about 6 feet or 2 paces wide, along the transect. Write down the number on your Sample Collection Sheet. Use the data to estimate the mounds over the total infested area.

***Sampling ants from the mounds:*** Apply talcum powder with the tip of your finger on the inside rim of the vial opening. Insert the vial halfway into the mound, with the opening facing up. Use hand gloves to keep ants from stinging. Close the vial with the screw cap when half full with ants or after 15 minutes. In a separate vial, collect any wingless queens with the forceps by disturbing the mound. Queens are the largest ants with abdomen as big as the rest of their body. Do not mix the wingless queens from separate mounds. If ants in the vial are less than ten, try to collect as many visible ants as possible with forceps. You can number the vial with workers and queens from the same mound the same. Mark the vials with a marking pen for vial numbers, site and date. Place the vials on ice in the cooler for 1 hour to immobilize ants. Remove cat food pellets with forceps. Add 70% ethyl alcohol (EtOH) in the vials once all the samples are collected. Note that marking pen ink dissolves in EtOH therefore a pencil written label is also required.

***Labeling the specimen vials:*** Label the specimen vials containing ants in the following order: Fiscal year-inspector #/collector name-vial number. For example, a vial # 01 with ants collected on June 15, 2003 by inspector/employee # 0001 should be labeled as 2003-0001-01.

***Specimen Determination:*** For specimen determination, fill out a Form PPQ 391 for all the sample numbers from each site and send the samples and the form to the Plant Quality Programs. If required, the samples will be forwarded to:

USDA Domestic Identifier  
USDA-APHIS-PPQ, US Customs House  
423 Canal Street, Room 148  
New Orleans, LA 70130

Phone: (504) 589-6731 Ext. 20  
Fax: (504) 589-4111

**ATTACHMENT**

**IFA Sample Collection Sheet**

**Fire Ant Survey – Texas Department of Agriculture**

**Inspector** \_\_\_\_\_ **Date** \_\_\_\_\_ **Time** \_\_\_\_\_

**County** \_\_\_\_\_ **GPS Reading:** \_\_\_\_\_ **Time GPS read:** \_\_\_\_\_

**Sampling site (description, highway mileage, etc.):** \_\_\_\_\_

**Other site information:** \_\_\_\_\_

**Habitat type:** forest, tall grass, rangeland, pasture, cultivated field, residential/commercial parkland, other \_\_\_\_\_

**Vegetation along road:**            Grass            Weeds            Shrubs or trees

**Temperature:**            **Soil** (about 3" deep) \_\_\_\_\_            **Air** \_\_\_\_\_

Number of mounds: \_\_\_\_\_

**Bait Survey:**

**Vials along transect with ants (circle):**            1   2   3   4   5   6   7   8   9   10

**Vial numbers with ants:** 1) \_\_\_\_\_, 2) \_\_\_\_\_, 3) \_\_\_\_\_, 4) \_\_\_\_\_,

5) \_\_\_\_\_, 6) \_\_\_\_\_, 7) \_\_\_\_\_, 8) \_\_\_\_\_, 9) \_\_\_\_\_, 10) \_\_\_\_\_.

**Mound Survey:**

**Vial numbers from mounds with ants:** 1) \_\_\_\_\_, 2) \_\_\_\_\_, 3) \_\_\_\_\_, 4) \_\_\_\_\_, 5) \_\_\_\_\_.

**Vial numbers with queens:** 1) \_\_\_\_\_, 2) \_\_\_\_\_, 3) \_\_\_\_\_, 4) \_\_\_\_\_, 5) \_\_\_\_\_.

**Observations:**

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U.S. DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

**SPECIMENS FOR DETERMINATION**

Instructions: Type or print information requested. Press hard and print legibly when handwritten. Item 1 - assign number for each collection beginning with year, followed by collector's initials and collector's number. Example (collector, John J. Dingle): 83-JJD-001.  
Pest Data Section - Complete items 14, 15, and 16 or 19 or 20 and 21 as applicable. Complete items 17 and 18 if a trap was used.

FOR BUREAU USE

LOP NO.

PRIORITY

1. COLLECTION NUMBER		2. DATE Month   Day   Year			3. SUBMITTING AGENCY <input type="checkbox"/> State Cooperator <input type="checkbox"/> PPQ <input type="checkbox"/> Other											
4. NAME OF SENDER		5. TYPE OF PROPERTY (Farm, Feedmill, Nursery, etc.)			7. NAME AND ADDRESS OF PROPERTY OR OWNER											
										6. ADDRESS OF SENDER		8. REASON FOR IDENTIFICATION ("X" ALL applicable items)			9. IF PROMPT OR URGENT IDENTIFICATION IS REQUESTED, PLEASE PROVIDE A BRIEF EXPLANATION UNDER "REMARKS".	
										ZIP					COUNTRY/ COUNTY	
A. <input type="checkbox"/> Biological Control (Target Pest Name)		E. <input type="checkbox"/> Livestock, Domestic Animal Pest			H. <input type="checkbox"/> Possible Immigrant (Explain in REMARKS)											
										B. <input type="checkbox"/> Damaging Crops/Plants		I. <input type="checkbox"/> Survey (Explain in REMARKS)				
C. <input type="checkbox"/> Suspected Pest of Regulator Concern (Explain in REMARKS)		J. <input type="checkbox"/> Other (Explain in REMARKS)			10. HOST INFORMATION NAME OF HOST (Scientific name when possible)											
D. <input type="checkbox"/> Stored Product Pest		L. <input type="checkbox"/> Other (Explain in REMARKS)								11. QUANTITY OF HOST NUMBER OF ACRES/PLANTS						
12. PLANT DISTRIBUTION <input type="checkbox"/> LIMITED <input type="checkbox"/> SCATTERED <input type="checkbox"/> WIDESPREAD		13. PLANT PARTS AFFECTED <input type="checkbox"/> Leaves, Upper surface <input type="checkbox"/> Trunk/Bark <input type="checkbox"/> Bulbs, Tubers, Corms <input type="checkbox"/> Seeds <input type="checkbox"/> Leaves, Lower Surface <input type="checkbox"/> Branches <input type="checkbox"/> Buds <input type="checkbox"/> Petiole <input type="checkbox"/> Growing Tips <input type="checkbox"/> Flowers <input type="checkbox"/> Stem <input type="checkbox"/> Roots <input type="checkbox"/> Fruits or Nuts			PLANTS AFFECTED (Insert figure & indicate <input type="checkbox"/> Number or <input type="checkbox"/> Percent):											
										14. PEST DISTRIBUTION <input type="checkbox"/> FEW <input type="checkbox"/> COMMON <input type="checkbox"/> ABUNDANT <input type="checkbox"/> EXTREME		15. <input type="checkbox"/> INSECTS <input type="checkbox"/> NEMATODES <input type="checkbox"/> MOLLUSKS			16. SAMPLING METHOD	
17. TYPE OF TRAP AND LURE		18. TRAP NUMBER			19. PLANT PATHOLOGY - PLANT SYMPTOMS ("X" one and describe symptoms) <input type="checkbox"/> ISOLATED <input type="checkbox"/> GENERAL											
										20. WEED DENSITY <input type="checkbox"/> FEW <input type="checkbox"/> SPOTTY <input type="checkbox"/> GENERAL		21. WEED GROWTH STAGE <input type="checkbox"/> SEEDLING <input type="checkbox"/> VEGETATIVE <input type="checkbox"/> FLOWERING/FRUITING <input type="checkbox"/> MATURE				

22. REMARKS

23. TENTATIVE DETERMINATION

24. DETERMINATION AND NOTES (Not for Field Use)

FOR BUREAU USE	
DATE RECEIVED	
PPQ LABEL SORTED	
PPQ LABEL PREPARED	
DATE ACCEPTED	





APPENDIX C

Texas Department of Agriculture  
*Imported Fire Ant Compliance Inspection Report*

RPQ - 1001

SUSAN COMBS, COMMISSIONER

<b>SECTION A</b>	<b><sup>1</sup> VERIFICATION INFORMATION</b>	
	Full Legal Business Name	
	TDA Client No.	TDA License No.
	<b><sup>2</sup> INSPECTION INFORMATION</b>	
Date        /        / month    day    year		Time        : <input type="checkbox"/> AM <input type="checkbox"/> PM
Region	County Name	County Code
Inspector Name (print name)		Inspector ID No.
<b>SECTION B</b>	<b><sup>1</sup> COMPLIANCE AGREEMENT INFORMATION</b>	
	Under IFA Compliance Agreement? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, indicate the original date of compliance agreement and Compliance Stamp No.	
	Date of Compliance Agreement Date /        / month    day    year	Compliance Stamp No.
<b>SECTION C</b>	<b><sup>1</sup> INSPECTION</b>	
	<input type="checkbox"/> Federal Inspection <input type="checkbox"/> State Inspection <input type="checkbox"/> Cancellation – No longer in need of compliance agreement (skip to Section E)	
	Type of Nursery Stock <input type="checkbox"/> Sod/Turf Grass <input type="checkbox"/> Container/Field Grown <input type="checkbox"/> Rose Bushes <input type="checkbox"/> Greenhouse <input type="checkbox"/> Shrub <input type="checkbox"/> Other _____	
	Type of Treatment	List specific chemicals used
	<input type="checkbox"/> Bait <input type="checkbox"/> Soil Incorporated <input type="checkbox"/> Drenched <input type="checkbox"/> Granular	_____ _____ _____
	Were regulatory treatments observed or monitored? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	List Observation:	
	Records Check? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Observations/Remarks		
<b>SECTION D</b>	<b><sup>3</sup> SAMPLE COLLECTION INFORMATION</b>	
	Were samples collected? <input type="checkbox"/> Yes (See Sample Collection Report) <input type="checkbox"/> No	Type of Sample Collected?

	Number of Samples Pulled?	Sample Number	Date Collected     /     / month   day   year
<b>SECTION E</b>	<b>CANCELLATION INFORMATION</b>		
	Date of Cancellation     /     / month   day   year		
	Reason for Cancellation <input type="checkbox"/> Regulated articles are no longer being transported outside the regulated area <input type="checkbox"/> Business is no longer in operation <input type="checkbox"/> Failure to comply with stipulations of the agreement <input type="checkbox"/> Other		
Stamp Collected? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, reason not collected?			



## TEXAS DEPARTMENT OF AGRICULTURE

SUSAN COMBS  
Commissioner

### COMPLIANCE AGREEMENT

#### Certification of Beehive Equipment for the Red Imported Fire Ant

Name of Beekeeper: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Shipping Location Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Phone No: \_\_\_\_\_

The intent of this compliance agreement is to facilitate the movement of beehive equipment outside the Red Imported Fire Ant (RIFA) Quarantined area. Beehive equipment handled in accordance with this agreement may be certified free of the RIFA.

#### Beekeeper agrees to abide by the following conditions:

1. In August, the beekeeper shall designate an area as a loading area for shipment of beehive equipment, which shall be twice the size of the area required to hold the beehive equipment. The extra space is for providing an area to walk during inspections and serves as a treatment buffer for the holding area. The buffer shall be at least 10 feet wide on all sides of the holding area.
2. The designated area shall be treated for the RIFA on a regular basis beginning in August, until beehive equipment is shipped. Treatments shall be used according to the pesticide label and shall be conducted on an as-needed basis to control the RIFA. The beekeeper shall maintain records on the pesticide used, EPA registration #, rate applied, and date of application. The beekeeper shall not hold the Texas Department of Agriculture (TDA) liable for any potential damage to bees caused by pesticide applications.
3. At least 2 days prior to shipment, the beehive equipment shall be placed in the designated shipping area on heavy-duty plastic sheeting, tarp, concrete, or other surface for preventing the beehive equipment from contacting the ground directly. The plastic sheeting, tarp, or other surface shall extend beyond the edge of the beehive equipment by a minimum of two feet. The plastic sheeting or tarp may be anchored to prevent excess from flapping loosely provided the method of anchoring does not provide a means of infesting beehive equipment by the RIFA. The beekeeper shall maintain records on the number of beehives and the date the hives were placed in the designated shipping area.
4. Beehive equipment and pallets shall be washed or brushed free of soil and the RIFA prior to being placed in the designated shipping area. Any beehive equipment that is colonized by the RIFA is not eligible for placement in the designated shipping area.
5. No broken frames, wax, discarded brood, or other hive contents shall be located within 100 feet of the designated shipping area.
6. The beekeeper shall periodically inspect beehives (exterior and interior) and pallets for the presence of the RIFA. Any beehive equipment and pallets found infested shall be removed from the designated shipping area.
7. Upon request, the beekeeper shall make records, referenced above, available to a TDA inspector. Access to the designated shipping area shall also be made available to the inspector.
8. Prior to loading the beehive equipment for shipment, the beekeeper shall conduct a visual inspection for the RIFA.
9. Beehive equipment found to be infested with the RIFA are not eligible for certification under this agreement and shall not be shipped outside the RIFA quarantined area. Furthermore, beehive equipment shall have been placed in the designated shipping area in accordance with this agreement for a minimum of 2 days prior to shipment to be eligible for certification.
10. The beekeeper shall contact TDA no later than 3 days prior to shipment of beehive equipment outside the quarantined area to obtain certification for RIFA. The certificate must accompany each shipment outside the RIFA quarantined area.
11. Failure to abide by the above conditions shall void this agreement and as a result beehive equipment will not be eligible for shipment outside the RIFA quarantine area. Otherwise, this agreement shall remain in effect for one year from the date signed. Additionally, this agreement may be cancelled immediately upon receipt of a written notice from either party.

\_\_\_\_\_  
Inspector  
Texas Department of Agriculture

\_\_\_\_\_  
Responsible Party (Beekeeper)  
Date \_\_\_\_\_

APPENDIX F



Texas Department of Agriculture  
*Sample Collection Report*

SUSAN COMBS, COMMISSIONER

<b>SECTION A</b>	<b><sup>1</sup> VERIFICATION INFORMATION</b>			
	Full Legal Business Name			
	TDA Client No.		TDA License No.	
	<b><sup>2</sup> INSPECTION INFORMATION</b>			
	Date / / month day year		Time : <input type="checkbox"/> AM <input type="checkbox"/> PM	
Region	County Name		County Code	
Inspector Name (print name)			Inspector ID No.	
<b>SECTION B</b>	<b><sup>1</sup> SAMPLE COLLECTION INFORMATION</b>			
	Sample No.	Sample Category <input type="checkbox"/> Documentary <input type="checkbox"/> Physical		
	Facility Name			
	Physical Address (No P.O. Box)			
	City	State	Zip	County
	Description of Material			
	<b><sup>2</sup> SAMPLE CLASS</b>			
	<input type="checkbox"/> IFA	<input type="checkbox"/> Regulated Pest _____	<input type="checkbox"/> Complaint	<input type="checkbox"/> Other _____
	<b><sup>3</sup> SITE OF COLLECTION</b>			
	<input type="checkbox"/> Complaint	<input type="checkbox"/> Grower	<input type="checkbox"/> Producer	<input type="checkbox"/> Other _____
<b><sup>4</sup> SAMPLE TYPE</b>				
<input type="checkbox"/> Residue	<input type="checkbox"/> Formulation	<input type="checkbox"/> Formulation Mix		
<b>SECTION C</b>	<b><sup>1</sup> LABELING</b>			
	Brand Name			
	EPA Reg. No.	EPA Est. No		Lot No.

Name of Producer as Stated on Label			
Address			
City	State	Zip	County
Active Ingredient as Stated on Label		Percentage by Weight	
<b><sup>2</sup> PESTICIDE</b>			
Pesticide Applied or Suspected? <input type="checkbox"/> Yes <input type="checkbox"/> No			
List Pesticides		Lab Analyze for	
1			
2			
3			
<b><sup>3</sup> REMARKS</b>			
<b>SEC D</b>	<b><sup>1</sup> LAB USE ONLY</b>		
	Date Received	Lab No.	

## APPENDIX D

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE  
PLANT PROTECTION AND QUARANTINE PROGRAMS

### COMPLIANCE AGREEMENT

<b>1. NAME AND MAILING ADDRESS OF PERSON ON FIRM</b>		<b>2. LOCATION</b>
<b>3. REGULATED ARTICLES</b> Nursery Stock – Containerized plants, trees, grass sod, rooted plants with soil attached		
<b>4. APPLICABLE FEDERAL QUARANTINE(S) OR REGULATIONS</b> Federal Imported Fire Ant Quarantine 7CFR 301.81 Texas Administrative Code Subchapter J. 19.100-19.103		
<b>6. I/We agree to the following:</b> <ol style="list-style-type: none"> <li>1. Treat according to the label directions following federal and state pesticide laws and regulations, all nursery products that are transported outside the imported fire ant (IFA) infested areas with one of the approved treatments as detailed in the attached document [7 CFR 301.81-10, Section III of IFA/United States Department of Agriculture (USDA) Program Manual].</li> <li>2. Issue USDA certificate or stamp only for nursery products and other regulated materials transported outside the imported fire ant quarantine area.</li> <li>3. Safeguard USDA certificates or stamp from damage or loss.</li> <li>4. Furnish to USDA or Texas Department of Agriculture (TDA), upon request, information and records concerning treatment and shipment of plants transported outside the imported fire ant quarantine areas.</li> <li>5. Compliance agreement can be cancelled by USDA or TDA for non-compliance.</li> <li>6. Contact TDA or USDA immediately, in case of theft of certificate or stamp.</li> </ol>		
<b>7. SIGNATURE</b>	<b>8. TITLE</b>	<b>9. DATE SIGNED</b>
The affixing of the signatures below will validate this agreement, which shall remain in effect until cancelled, but may be revised as necessary or revoked for noncompliance.		<b>10. AGREEMENT NO</b>
		<b>11. DATE OF AGREEMENT</b>
<b>12. PPQ OFFICIAL (Name and Title)</b>	<b>13. ADDRESS</b>	
<b>13. SIGNATURE</b>		
<b>14. STATE AGENCY OFFICIAL (Name and Title)</b>	<b>16. ADDRESS</b>	
<b>17. SIGNATURE</b>		

# APPENDIX B

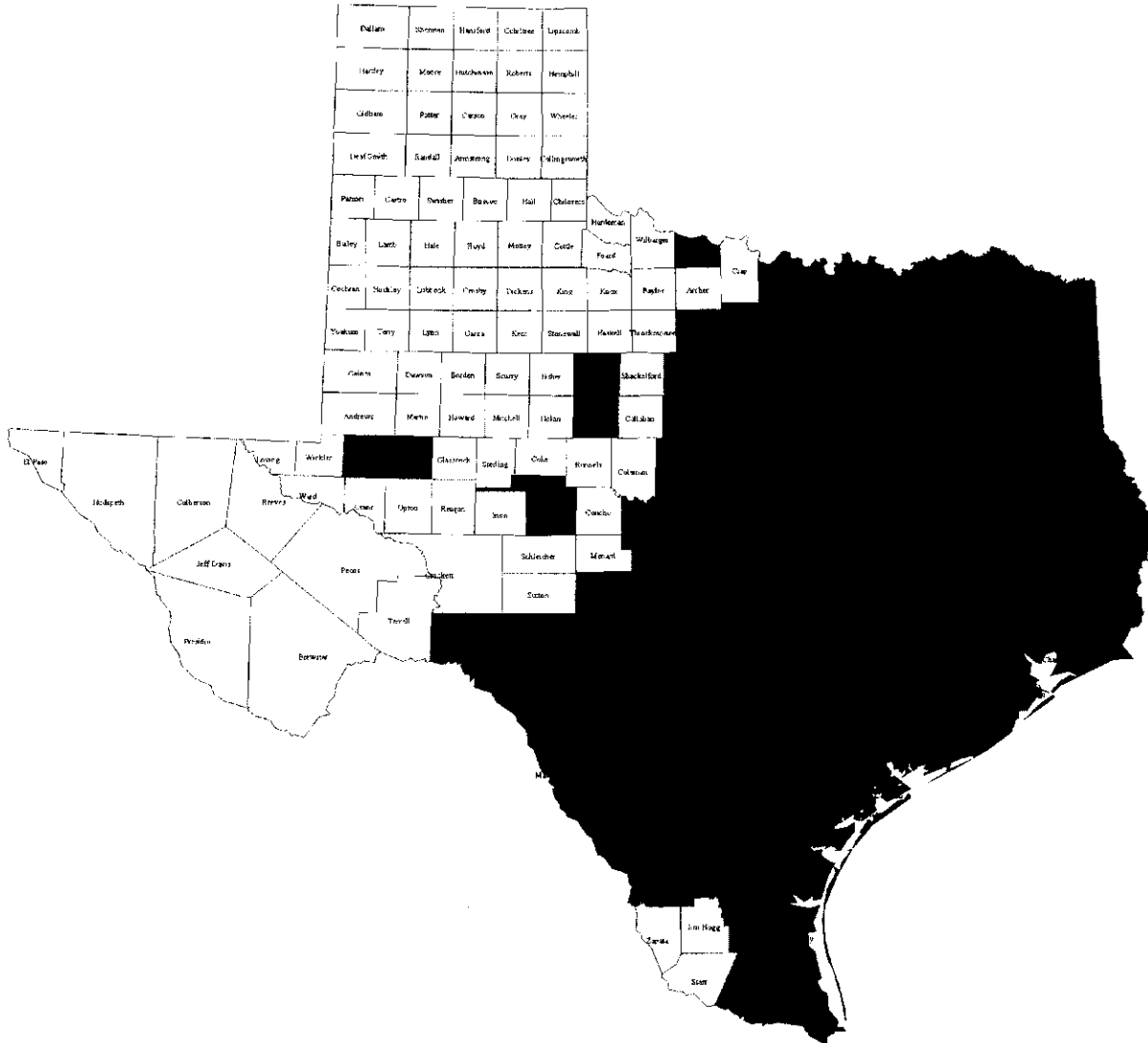
3/01  
TDA Q591F

## Texas Department of Agriculture

Susan Combs, Commissioner  
P.O. Box 12847, Austin, TX 78711 (512) 463-7476  
Internet Address: <http://www.agr.state.tx.us>

For the hearing impaired: 1-800-735-2988 (voice) or 1-800-735-2989 (TDD/TT)

## Imported Fire Ant Quarantine



■ Imported Fire Ant Quarantined Areas

