

Prepared for



A  Sempra Energy utility

San Diego Gas & Electric Company
1010 Tavern Road
Alpine, California 91901

Sampling and Testing Plan

Jacumba Valley Ranch Farmland

East County Substation Project

Prepared by

Geosyntec 
consultants

engineers | scientists | innovators

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December 2012

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1. INTRODUCTION

1.1 Background

San Diego Gas and Electric Company's (SDG&E) proposed East County Substation Project (ECO Project) includes construction of a new substation (ECO Substation), rebuild of an existing substation (Boulevard Substation), and construction of approximately 14 miles of 138 kV transmission line in southeastern San Diego County in the vicinity of the unincorporated communities of Jacumba and Boulevard (Figure 1). The California Public Utilities Commission (CPUC) and Bureau of Land Management (BLM) prepared the Final Environmental Impact Report/Environmental Impact Statement (FEIR/EIS) for the ECO Project, which includes a Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) to be implemented to avoid or minimize identified potential environmental impacts. Due to the potential for soil contamination to be encountered during grading or excavation activities on agricultural properties, the CPUC established Mitigation Measure (MM) HAZ-2a, which states:

“Test for residual pesticide/herbicides on currently or historically farmed land. In areas where the land has been or is currently being farmed, soil samples shall be collected and tested for herbicides, pesticides, and fumigants to determine the presence and extent of any contamination. The sampling and testing shall be prepared in consultation with the County Agricultural Commission, conducted by an appropriate California licensed professional, and sent to a California Certified Laboratory. A report documenting the areas proposed for sampling and the process used for sampling and testing shall be submitted to the CPUC and BLM for review and approval at least 60 days prior to construction. Results of the laboratory testing and recommended resolutions for handling and excavating materials found to exceed regulatory requirements shall be submitted to the CPUC and BLM at least 30 days prior to construction.

If soil or groundwater contamination is confirmed as a result of soil sampling, SDG&E shall immediately stop work and notify the designated environmental field representative. All work in the contaminated area shall cease, the work shall be cordoned off, and the environmental field representative shall implement appropriate health and safety procedures. Work outside the contaminated area may continue as determined by the environmental field representative.

Excavated materials containing elevated levels of pesticides or herbicides would require special handling and disposal according to procedures established by the regulatory agencies. Effective dust control suppression procedures shall be used in construction areas to reduce airborne emissions of these contaminants and reduce the risk of exposure to workers and the public. SDG&E shall contact the appropriate regulatory agencies for the State of California (e.g., DTSC or RWQCB) and the County to plan options for handling, treating, and/or disposing of materials.”

1.2 Objective

A limited “Phase 1 Environmental Site Assessment” conducted by Tetra Tech EM Inc. (Tetra Tech) in 2008 identified only one property, Jacumba Valley Ranch (JVR), as historically farmed land within the Project area [Tetra Tech 2008]. From at least 2007 until approximately March 2012, the JVR property (Figure 1) was utilized as organic farmland. Currently, the land is not being activity farmed. Since the JVR property includes areas planned for disturbance during construction of the ECO Project, Geosyntec has prepared this Sampling and Testing Plan (STP) to evaluate the presence of pesticides, herbicides, and fumigants in planned construction areas at the JVR property in compliance with MM HAZ-2a.

1.3 Scope of Work

In accordance with MM HAZ-2a, this STP has been prepared in consultation with the County of San Diego, Department of Agriculture, Weights, and Measures (AWM), and will be implemented by an appropriate California-licensed professional and soil samples will be sent to a California-certified laboratory for analysis. During consultation with Ms. Pat Nolan of the AWM on 5 November 2012, it was indicated that the AWM does not possess the authority to review such documents and cannot provide comments on the STP. However, the AWM provided available public records for the JVR property and recent tenant, Bornt Farms, including a summary of permitted pesticide, herbicide, and fumigant products applied at the JVR site from 2007 to 2012. This summary is included as Attachment A: Summary of Applied Products. The analytical testing suite planned for the JVR property is based on the chemicals known to be applied at the site based on consultation with the AWM.

2. SOIL SAMPLING PROCEDURES

2.1 Sampling Methodology

The sampling protocol described herein was adapted from the Department of Toxic Substances Controls' *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, dated 7 August 2008 [DTSC, 2008] and developed in accordance with MM HAZ-2a to evaluate the concentrations of pesticides, herbicides, and fumigants on the JVR Property. The proposed sample locations are presented on Figure 2.

The JVR Property will be evaluated as follows:

- A minimum of four surface soil borings (0 to 6 inches below ground surface) will be advanced in the planned excavation areas for each power pole located within the JVR Property along the ECO Project's transmission corridor;
- Composite samples will be composed of a maximum of four discrete soil samples for each power pole;
- One sample duplicate will be collected from the composite sample and analyzed to evaluate the consistency of results; and

The ECO Project transmission corridor traverses approximately 1,600 linear feet of the JVR property. Assuming a 50-foot work zone, the potential disturbed area encompasses approximately 1.8 acres. Therefore, collection and analysis of two four-point composite samples is consistent with DTSC protocol.

2.2 Sample Collection and Handling

Soil samples will be collected using clean stainless-steel hand tools to a depth of approximately 0.5 feet below ground surface (ft bgs). Soil samples will be preserved and contained as follows:

ANALYSIS	PRESERVATIVE	SAMPLE CONTAINER
Arsenic Organochlorine Pesticides (OCPs) Chlorinated Herbicides Volatile Organic Compounds (VOCs)	Ice	Two 8 oz. glass jars

2.3 Sample Transportation

The sample containers will be capped, labeled, and sealed in plastic bags, stored on ice, and transported in a sample cooler to California-certified laboratory under chain of custody procedures.

2.4 Quality Assurance/Quality Control Samples

One duplicate sample will be collected at a frequency of one duplicate sample for every 10 samples collected in the field (equal to approximately 10% of samples collected). Data obtained from duplicate samples will be used to evaluate the precision of laboratory data. Duplicate composite samples will be collected from the same homogenized sample from which the composite sample is obtained. Each duplicate sample will be transported to the same analytical laboratory and analyzed for the same constituents as the primary soil samples.

2.5 Analytical Methods

Analytical methods requested for the soil samples will be listed on each chain-of-custody form. Laboratory analyses will be performed at a California Department of Health Services-certified laboratory. The table below outlines the analytical methods to be followed by the laboratory during sample analysis. The method detection limit (MDL) and reporting limit (RL) for each compound will be reported on the certificates of analysis. To address the presence of pesticides, herbicides, and fumigants, soil samples will be analyzed for arsenic, OCPs, chlorinated herbicides, and VOCs. Common soil fumigants in the VOC analysis include dichloropropenes, dichloropropanes, methyl bromide, and 1,2,3-trichloropropane.

Parameter	Method	Sample Type
Arsenic	EPA 6010B	Discrete
Organochlorine Pesticides	EPA 8081A	Four point composite
Chlorinated Herbicides	EPA 8151A	Four point composite
Volatile Organic Compounds	EPA 8260B	Discrete

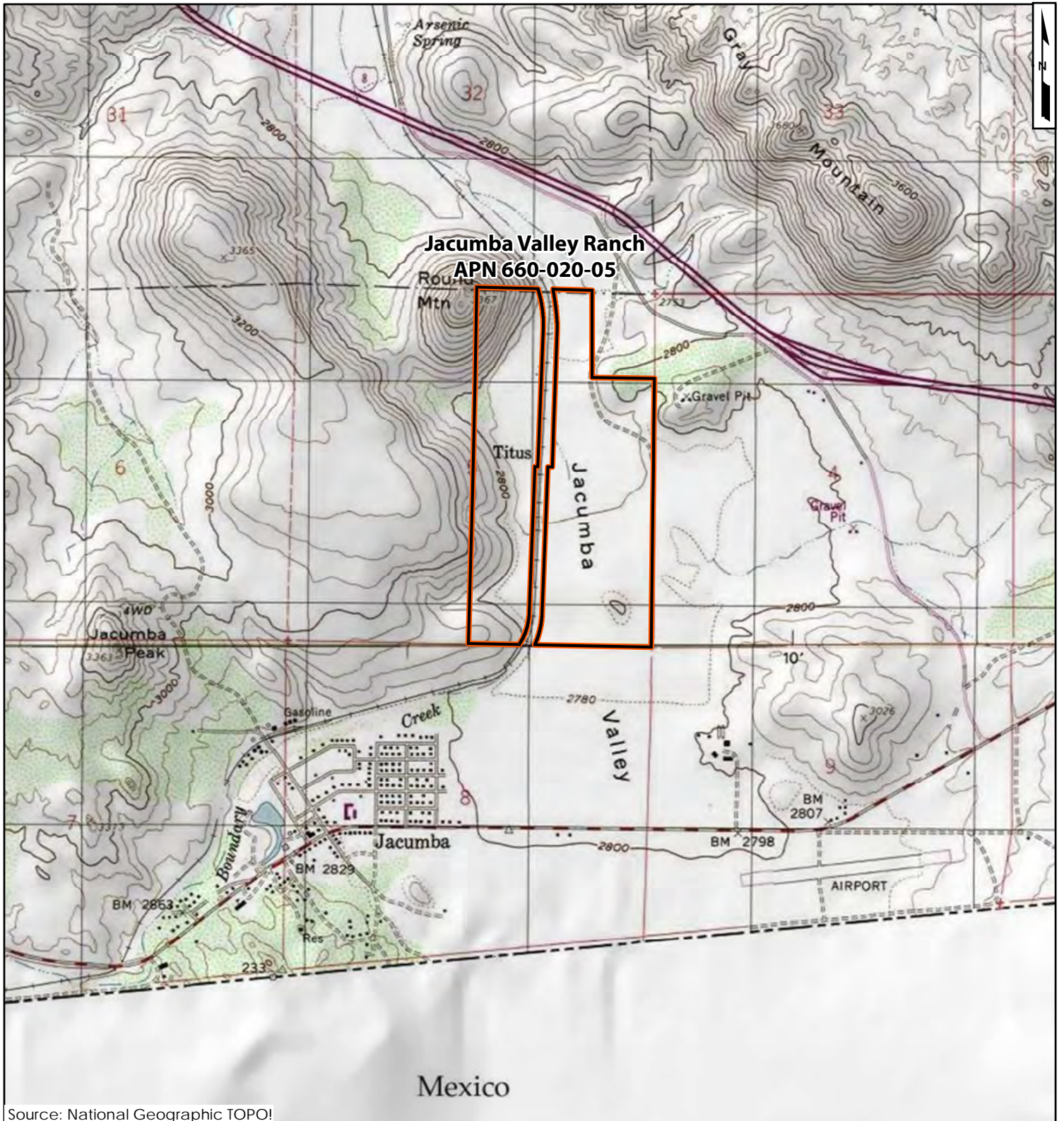
3. REPORTING

Following receipt of analytical data from the laboratory, a report will be prepared to document the areas sampled, the process used for sampling, the results of testing, and recommendations, if necessary. The report shall be submitted to the CPUC for review and approval prior to construction at the testing locations. If laboratory results indicate that material was found to exceed regulatory requirements, recommendations for handling and excavation of impacted soil shall be submitted to the CPUC prior to construction at the JVR property.

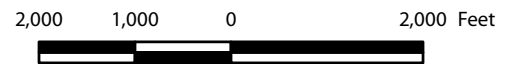
4. REFERENCES

Department of Toxic Substance Control, 2008. *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, dated 7 August 2008.

FIGURES



Source: National Geographic TOPO!



Site Location
Jacumba Valley Ranch Site
 APN 660-020-05
 Sampling and Testing Plan
 ECO Substation Project

Geosyntec
 consultants

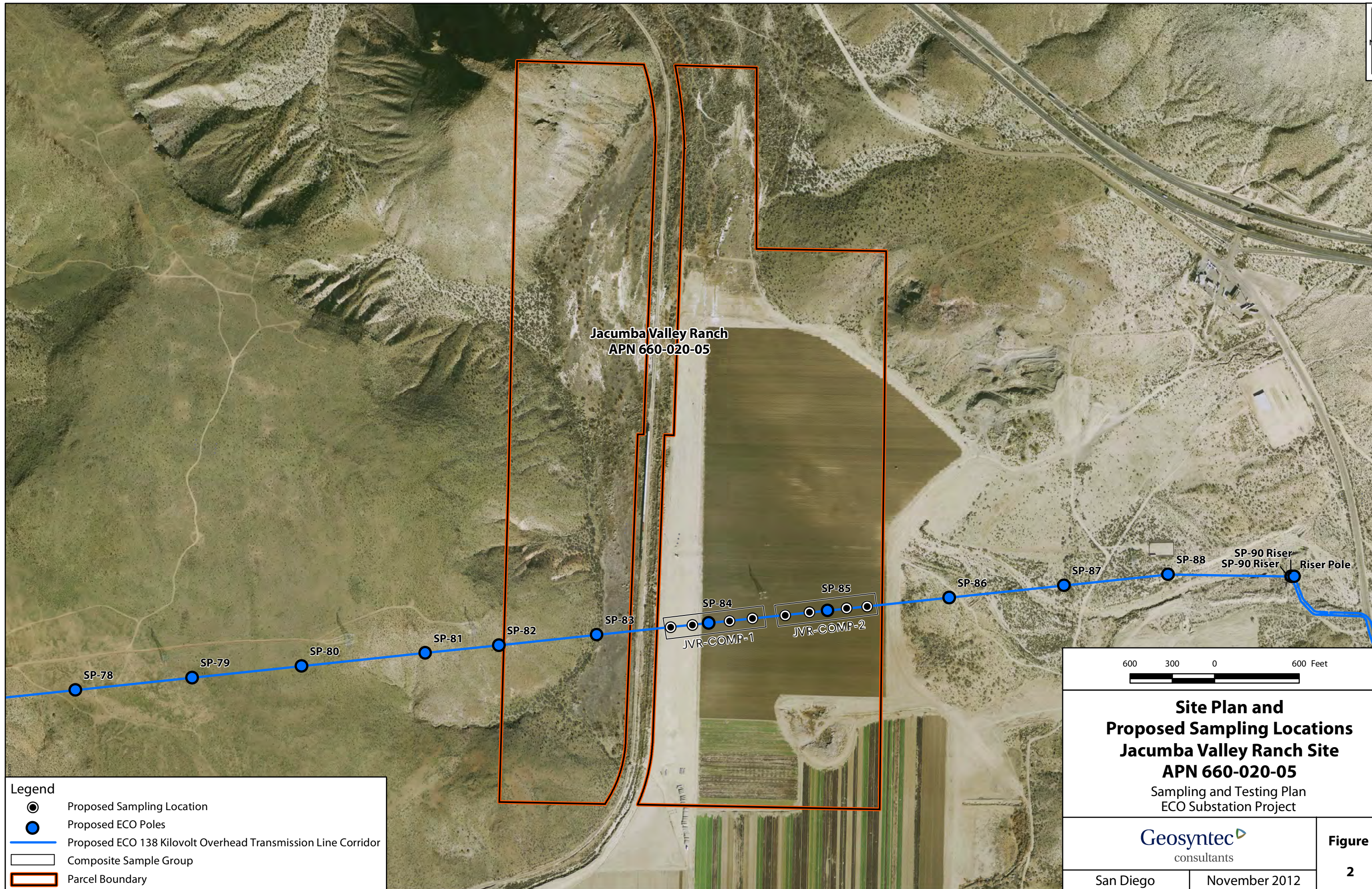
Figure

1

San Diego

November 2012

S:\GIS\Report Figures\Phase1\Jacumba Valley Ranch\SiteMap.mxd



**Site Plan and
Proposed Sampling Locations
Jacumba Valley Ranch Site
APN 660-020-05**
Sampling and Testing Plan
ECO Substation Project

Geosyntec
consultants

San Diego

November 2012

Figure
2

ATTACHMENT A:
Summary of Applied Products



County of San Diego

LISA M. LEONDIS
AGRICULTURAL COMMISSIONER/
SEALER OF WEIGHTS & MEASURES

DEPARTMENT OF AGRICULTURE, WEIGHTS AND MEASURES
9325 Hazard Way, Suite 100, San Diego, CA 92123-1217
Phone: (858) 694-2739 FAX (858) 467-9697
<http://www.sdcawm.org>

WEIGHTS & MEASURES
(858) 614-7781
FAX (858) 467-9278

SAN MARCOS OFFICE
(760) 752-4700
FAX (760) 752-4703

REQUEST FOR PUBLIC RECORDS

A. REQUESTOR: ALEXA KILLION		DATE: 10-24-12
COMPANY: INSIGNIA ENVIRONMENTAL		PHONE NUMBER (DAYTIME): (650) 433-3342
MAILING ADDRESS: 258 HIGH STREET	CITY/STATE: PALO ALTO/CA	ZIP CODE: 94301
E-MAIL ADDRESS: AKILLION@INSIGNIAENV.COM		
B. I request the following records from the County of San Diego, Department of Agriculture, Weights and Measures pertaining to: <input checked="" type="checkbox"/> WEIGHTS & MEASURES <input checked="" type="checkbox"/> PESTICIDE REGULATION <input type="checkbox"/> PEST EXCLUSION/NURSERY <input type="checkbox"/> Other Program - Please Specify: _____		
Please describe desired records in detail: Information on the historical farm practices ^{between 2005-2012} of the Jacumica Valley Ranch and Bornat Farms - specifically parcels 66002005 and 66015018 (in particular the former.) Specific information desired includes: ① whether these parcels were certified organic between 2005-2012, ② types of crops grown ²⁰⁰⁵⁻²⁰¹² & ③ if not certified organic, type of pesticides, herbicides, & fumigants used between 2005-2012.		
(Attach Additional Sheet If Required)		
C. I request these records in the following format: <input type="checkbox"/> Review records in person No Fee <input type="checkbox"/> Fax records (existing format) No Fee <input checked="" type="checkbox"/> E-Mail records (existing format) No Fee <input type="checkbox"/> Copies \$.20 per page for first copy; \$.30 per copy for subsequent copies of same page (8½" x 11" size paper) <input type="checkbox"/> Data compilation, extraction, programming, reformatting \$ _____ per hour		
Signature of Requestor: _____ <i>(Handwritten Signature)</i>		

Please complete all boxes A - C Thank-you

Attachment A:
Summary of Applied Products

Permit #	Permittee	Site ID	Site Name	Meridian	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	4/26/2009	1:00 AM	13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	525.0000	Ounce	175.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/5/2009	1:10 AM	13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	450.0000	Ounce	150.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	9/5/2009		13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	6.0900	Pounds	39.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	9/5/2009	1:00 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	5.6200	Pounds	30.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/15/2009	1:10 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	360.0000	Ounce	120.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	5/29/2009	1:10 AM	13056-0	ARRUGULA	400.0000	ACRES	62719-282-AA	ENTRUST DIPEL DF BIOLOGICAL	22.5000	Pounds	120.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	9/5/2009		13024-0	SPINACH	250.0000	ACRES	73049-39-AA	INSECTICIDE	30.0000	Pounds	39.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	9/14/2009	1:10 AM	13056-0	ARRUGULA	400.0000	ACRES	62719-282-AA	ENTRUST	13.1200	Pounds	70.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	3/20/2010	2:10 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	6.2500	Pounds	40.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	3/20/2010	1:50 AM	13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	9.3700	Pounds	60.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	3/25/2010	2:00 AM	13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	12.1900	Pounds	78.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	4/21/2010	2:20 AM	13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	4.5300	Pounds	29.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/7/2010	2:10 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	6.5600	Pounds	35.1700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	4/26/2010	2:00 AM	13024-0	SPINACH	282.0000	ACRES	5905-50092-AA	PENETRATOR	1.3200	Gallon	13.2000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/10/2010	6:25 PM	13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST BAYTHROID	1.8300	Pounds	11.7000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00105	45346 OLD HWY 80	S	18S	08E	08	7/5/2010	1:00 AM	22005-0	CORN FOR/FOD	8.0000	ACRES	264-840-AA	XL BAYTHROID	0.1800	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	7/5/2010	1:10 AM	23001-0	ALFALFA	8.0000	ACRES	264-840-AA	XL	0.1800	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/13/2010		13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	0.7800	Pounds	5.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	5/13/2010	6:20 PM	13056-0	ARRUGULA	400.0000	ACRES	62719-282-AA	ENTRUST FYFANON 8 LB.	0.7800	Pounds	5.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	4/2/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.5000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	4/2/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	5905-50076-AA	QUEST MILLER NU	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	4/2/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	72-50022-AA	FILM P FYFANON 8 LB.	0.2500	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	4/22/2011	1:10 AM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION FYFANON 8 LB.	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	4/24/2011	8:00 AM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES

Attachment A:
Summary of Applied Products

Permit #	Permittee	Site ID	Site Name	Meridian	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/5/2011		23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	FYFANON 8 LB. EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	5/5/2011	2:30 PM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	5/12/2011	3:10 PM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8 LB.	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/12/2011	3:50 PM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/12/2011	3:50 PM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8 LB.	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/21/2011	3:40 PM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	5/21/2011	1:50 AM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	6/2/2011	7:00 PM	13024-0	SPINACH	282.0000	ACRES	84059-3-AA	REGALIA	17.1800	Gallon	34.3700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/21/2011	3:40 PM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	5/27/2011		13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	6/3/2011	3:15 PM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	6/10/2011	2:50 PM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8 LB.	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/3/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/3/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8 LB.	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/10/2011	3:20 PM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/10/2011	3:20 PM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8 LB.	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/27/2011	2:30 PM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/27/2011	2:30 PM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8 LB.	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/16/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/16/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8 LB.	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/23/2011	3:15 PM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/23/2011	3:15 PM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P	0.4000	Gallon	8.0000	ACRES

Attachment A:
Summary of Applied Products

Permit #	Permittee	Site ID	Site Name	Meridian	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	6/23/2011		13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	6/30/2011	1:50 AM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	7/7/2011	3:50 PM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/30/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/30/2011	1:50 AM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	7/7/2011	2:15 PM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	7/7/2011	2:15 PM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	7/14/2011	3:30 PM	23001-0	ALFALFA	8.0000	ACRES	5905-250-ZA	EMULSION	1.0000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	7/14/2011	3:30 PM	23001-0	ALFALFA	8.0000	ACRES	7001-50312-AA	NU-FILM-P	0.4000	Gallon	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	7/14/2011	3:10 PM	13056-0	ARRUGULA	400.0000	ACRES	7001-50312-AA	NU-FILM-P FYFANON 8	1.1500	Gallon	23.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	10/11/2011	3:00 PM	23001-0	ALFALFA	33.0000	ACRES	5905-250-ZA	LB. EMULSI MILLER NU	4.1300	Gallon	33.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	10/11/2011	3:00 PM	23001-0	ALFALFA	33.0000	ACRES	72-50022-AA	FILM P FYFANON 8	1.0300	Gallon	33.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	10/18/2011	2:45 PM	23001-0	ALFALFA	33.0000	ACRES	5905-250-ZA	LB. EMULSI MILLER NU	4.1300	Gallon	33.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	10/18/2011	2:45 PM	23001-0	ALFALFA	33.0000	ACRES	72-50022-AA	FILM P FYFANON 8	1.0300	Gallon	33.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	9/15/2011	3:20 PM	13056-0	ARRUGULA	400.0000	ACRES	5905-250-ZA	LB. EMULSI	4.1300	Gallon	33.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	9/15/2011	3:20 PM	13056-0	ARRUGULA UNCULTIVATED	400.0000	ACRES	7001-50312-AA	NU-FILM-P ACEPHATE	1.6500	Gallon	33.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	3/14/2012	5:00 PM	66000-0	AG	300.0000	ACRES	70506-8-AA	97UP ACEPHATE	24.0000	Pounds	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	3/13/2012	5:00 PM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	97UP INSECTICIDE	24.0000	Pounds	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	3/23/2012	9:30 AM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	97UP ACEPHATE	24.0000	Pounds	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	3/23/2012	9:30 AM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	97UP INSECTICIDE	24.0000	Pounds	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	3/23/2012	10:30 AM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	97UP ACEPHATE	24.0000	Pounds	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	3/29/2012	1:30 PM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	97UP ACEPHATE	36.0000	Pounds	16.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	4/4/2012	3:00 PM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	97UP ACEPHATE	36.0000	Pounds	16.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	4/16/2012	6:35 PM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	97UP	36.0000	Pounds	16.0000	ACRES

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Summary of Applied Products

Permit #	Permittee	Site ID	Site Name	Meridian	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	4/27/2012	10:00 AM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	ACEPHATE 97UP	36.0000	Pounds	16.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	5/4/2012	10:45 AM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	ACEPHATE 97UP	36.0000	Pounds	16.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	5/24/2012	1:00 PM	23001-0	ALFALFA	16.0000	ACRES	70506-9-AA	PERM-UP 3.2 EC	0.7500	Gallon	16.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/12/2012	11:00 AM	23001-0	ALFALFA	16.0000	ACRES	70506-9-AA	PERM-UP 3.2 EC	0.5000	Gallon	16.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00106	45346 OLD HWY 80	S	18S	08E	08	6/20/2012	11:30 AM	23001-0	ALFALFA	16.0000	ACRES	70506-9-AA	PERM-UP 3.2 EC	0.5000	Gallon	16.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	3/23/2012	11:29 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	1.3600	Pounds	43.5500	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	3/23/2012	4:29 PM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST	5.8500	Pounds	187.2200	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	3/23/2012	6:30 PM	13056-0	ARRUGULA	400.0000	ACRES	62719-282-AA	ENTRUST ACEPHATE 97UP	1.0700	Pounds	34.3300	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	3/23/2012	10:30 AM	66000-0	UNCULTIVATED AG	300.0000	ACRES	70506-8-AA	INSECTICIDE	24.0000	Pounds	8.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	3/29/2012	2:40 PM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST	0.9400	Pounds	30.1900	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	3/29/2012	12:15 PM	13056-0	ARRUGULA	400.0000	ACRES	62719-282-AA	ENTRUST	1.0700	Pounds	34.3300	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	3/30/2012	2:30 PM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST	2.5800	Pounds	82.4800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	3/30/2012	6:00 PM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST	0.2200	Pounds	7.1100	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	3/30/2012	5:30 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST SEVIN	0.8800	Pounds	28.1700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	7/6/2012	1:00 AM	66000-0	UNCULTIVATED AG	300.0000	ACRES	264-333-ZC	BRAND XLR PLUS SEVIN	75.0000	Gallon	300.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL001	45346 OLD HWY 80	S	18S	08E	08	7/12/2012	7:00 PM	66000-0	UNCULTIVATED AG	300.0000	ACRES	264-333-ZC	BRAND XLR PLUS	75.0000	Gallon	300.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/5/2012	3:30 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	0.4800	Pounds	15.3800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/5/2012	3:30 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	84059-3-AA	REGALIA	7.6900	Gallon	15.3800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/5/2012	2:30 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	0.8800	Pounds	28.1700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/5/2012	2:30 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	84059-3-AA	REGALIA	14.0900	Gallon	28.1700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	4/4/2012	2:00 PM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST	0.9400	Pounds	30.1900	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	4/4/2012	12:40 PM	13056-0	ARRUGULA	400.0000	ACRES	62719-282-AA	ENTRUST	1.0700	Pounds	34.3300	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	4/5/2012	1:00 PM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST	2.5800	Pounds	82.4800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/16/2012	4:50 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	0.8800	Pounds	28.1700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/16/2012	2:50 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	0.4800	Pounds	15.3800	ACRES

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Summary of Applied Products

Permit #	Permittee	Site ID	Site Name	Meridian	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/4/2012	2:00 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	1021-1772-AA	PYGANIC CROP PROTECTION EC 5.0 II	1.0000	Gallon	15.3800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/4/2012	2:00 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST CUEVA FUNGICIDE	2.2500	Pounds	15.3800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/4/2012	2:00 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	67702-2-AA-70051	CONCENTRATE PYGANIC CROP PROTECTION	7.6900	Gallon	15.3800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/25/2012	11:30 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	1021-1772-AA	EC 5.0 II	2.2400	Gallon	47.7400	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/25/2012	11:30 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	6.0000	Pounds	47.7400	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/25/2012	11:30 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	72662-50005-AA	OROBOOST PYGANIC CROP PROTECTION	5.9700	Gallon	47.7400	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/16/2012	8:00 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	1021-1772-AA	EC 5.0 II	1.5100	Gallon	32.2700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/16/2012	8:00 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST CUEVA FUNGICIDE	4.0000	Pounds	32.2700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/16/2012	8:00 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	67702-2-AA-70051	CONCENTRATE	12.5000	Gallon	32.2700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/16/2012	8:00 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	72662-50005-AA	OROBOOST PYGANIC CROP PROTECTION	2.5200	Gallon	32.2700	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/16/2012	1:00 PM	13024-0	SPINACH	282.0000	ACRES	1021-1772-AA	EC 5.0 II	3.7800	Gallon	80.5500	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/16/2012	1:00 PM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST CUEVA FUNGICIDE	10.0000	Pounds	80.5500	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/16/2012	1:00 PM	13024-0	SPINACH	282.0000	ACRES	67702-2-AA-70051	CONCENTRATE PYGANIC CROP PROTECTION	6.2800	Gallon	80.5500	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/25/2012	10:30 AM	13024-0	SPINACH	282.0000	ACRES	1021-1772-AA	EC 5.0 II	1.5700	Gallon	33.4800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/25/2012	10:30 AM	13024-0	SPINACH	282.0000	ACRES	62719-282-AA	ENTRUST	4.0000	Pounds	33.4800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	5/25/2012	10:30 AM	13024-0	SPINACH	282.0000	ACRES	72662-50005-AA	OROBOOST	4.1800	Gallon	33.4800	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	9/11/2007		13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	0.2800	Pounds	2.8000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	9/9/2007		13024-0	SPINACH	250.0000	ACRES	62719-282-AA	ENTRUST	1.8400	Pounds	18.4000	ACRES

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Permit #	Permittee	Site ID	Site Name	Meridian	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units
134775N	JACUMBA VALLEY RANCH	AZL00101	45346 OLD HWY 80	S	18S	08E	08	10/6/2007		13024-0	SPINACH	250.0000	ACRES	73049-39-AA	DIPEL DF BIOLOGICAL INSECTICIDE	10.0000	Pounds	20.3500	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	10/15/2007		13056-0	ARRUGULA	400.0000	ACRES	73049-39-AA	DIPEL DF BIOLOGICAL INSECTICIDE	7.2000	Pounds	9.3000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	10/17/2007		13056-0	ARRUGULA	400.0000	ACRES	73049-39-AA	DIPEL DF BIOLOGICAL INSECTICIDE	12.0000	Pounds	23.7000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00103	45346 OLD HIGHWAY 80	S	18S	08E	08	9/11/2007		13056-0	ARRUGULA	400.0000	ACRES	62719-282-AA	ENTRUST	0.8800	Pounds	8.8000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/30/2007		13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	38.0000	Pounds	400.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	4/30/2007	1:10 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	5.0000	Pounds	49.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/22/2007	1:40 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	2.5000	Pounds	23.6000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	5/23/2007	1:40 AM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	1.8000	Pounds	8.5000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	9/10/2007		13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	2.0000	Pounds	20.0000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	9/11/2007		13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	1.1400	Pounds	11.4000	ACRES
134775N	JACUMBA VALLEY RANCH	AZL00104	45346 OLD HWY 80	S	18S	08E	08	3/30/2012	4:20 PM	13045-0	LETTUCE HEAD	400.0000	ACRES	62719-282-AA	ENTRUST	0.4800	Pounds	15.3800	ACRES