

BORNT FARMS

2012 EYE GNAT NUISANCE PREVENTION PLAN

In accordance with San Diego County Code of Regulatory Ordinances Title 6, Division 4, Chapter 2, Section 2, and in consultation with the University of California Cooperative Extension, it is my/our intention to prevent and control eye gnats on the Bornt Farm located in Jacumba utilizing the following prevention method(s):

PREVENTION METHODS

Bornt Farms will implement the following prevention methods during 2012:

1) **Buffer Crops**

- a. Approximately 100 feet, equivalent to twelve rows of production, in from the outer farm edge that borders the community, not including south of Old Highway 80, will be used exclusively for an eye gnat exclusion zone. See Attachment 1 for required locations.
- b. The mature plant type will be recommended by the farm and approved by County Vector Control.
- c. Height:
 - o The buffer crop can be cut as short as necessary so that the crop does not need constant cutting or mowing. If the plants in the buffer crop are cut or trimmed they need to be cut in rotation so that there are at least six full rows parallel with the community that are 2-4 feet or taller at any given point in time after April 1, to allow for treatment by conventional equipment, or
 - o Prior to April 1, if the buffer crops do not meet the 2 feet minimum height farmer will:
 - treat buffer crop with conventional pesticides and production crops will be treated weekly with an organic pesticide, or
 - not plant production crops within 1,000 feet from edge of town.
- d. Buffer crops will be treated with a University of California Cooperative Extension recommended conventional pesticide on a weekly basis from April 1st until October 31st. The current recommendations include rotating with carbaryl, acephate and cyfluthrin. Current pesticide records must be available for reviewing on the farm during weekly inspections or faxed (858) 571-4268 or emailed to County Vector Control.
- e. Conventional pesticide applications will be kept at acceptable distances from organic crop production to prevent drift.
- f. Separate application equipment will be used to treat organic crops.

Buffer crops will be maintained and watered as identified in 1.a regardless of crop production status.

2) **Barriers**

- a. A barrier between the farm and the community will be maintained for the entire length of crop production. The barrier will be made of a tightly woven cloth or plastic (similar to those used for erosion or dust control), a minimum of 36-inches in height and parallel with the border of the community. See Attachment 1 for required locations.

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3) *Trapping*

- a) Eye gnat trapping will occur no higher than 36 inches from ground surface.
- b) Traps on the farm will be monitored and maintained (i.e. addition of new solution, replace broken parts, etc.) by Bornt Farms on a weekly basis from February 1 through November 1.
- c) See Attachment 1 for required locations. Placement of traps will be as follows:
 - i. A double row of collar traps 10 feet apart and parallel;
 - ii. The first row of collar traps will be 10 feet from the barrier and the second row that parallels the first will be staggered. Both rows will be within the treated buffer crop, not adjacent to the barrier; and
 - iii. Additional traps will be added by the farmer as determined necessary by the Vector Control Program. The farmer can increase the number of traps for additional deterrence.
- d) The Vector Control Program will conduct monitoring trapping in a grid that extends 1,000 feet into the community beginning in the community at the southern most end of farm production to the northern most end of the community by the railroad tracks. The density at present is 4 traps per 1,000 linear feet. In addition, the Vector Control Program will place monitoring traps at two specific locations with concentrated eye gnat populations; the spa and the school The Bornt Farm designed trap is highly effective, and will be used for community monitoring trapping. See Figure 1 for approximate locations.
- e) The Vector Control Program will monitor and count the total number of eye gnats in the community monitoring traps weekly.
- f) The Vector Control Program Monitoring trapping will begin when production crops are first planted and be continued throughout 2012, until all production crops are harvested and planting ceases.

CULTURAL CONTROL METHODS

1) *Dry Period*

- a) Harvest of production crops will be complete and irrigation to production crops will cease by June 15 and not resume until August 15.
 - b) Fresh organic matter will not be tilled under into the soil.
 - c) Organic matter production will be reduced by drying the cut crop or (herbicide) burning the crop residue on the bed.
 - d) Weeds will be controlled by herbicides or by hand; tilling of weeds is prohibited.
 - e) Production crops will not be planted south of Old Highway 80.
- 2) Drying of organic matter means the cut crop flakes when crushed or is (herbicide) burnt on the bed.
 - 3) Weed control outside the crop will be controlled with herbicides or by hand, not tilling.

SELF REPORTING

Bornt Farm agrees to report the following to the County's Vector Control Program:

- Initial planting of the production crops one week prior to planting.

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All of the measures in this Plan are subject to inspection by County Vector Control staff prior to Bornt farms planting production crops and at any time during 2012. County Vector Control Program will conduct weekly, random inspections to monitor compliance with the Plan.

County Vector Control Program will post inspection reports, enforcement notices and this Plan on its webpage.

Any requests to make changes to this Plan must be made in writing from Bornt Farms to County Vector Control Program and County Vector Control will respond to the request within 5 working days of receiving the request.

Nothing in this plan precludes the farmer from implementing additional measures.

Alan Bornt Alan Bornt

Date: 12/30/11

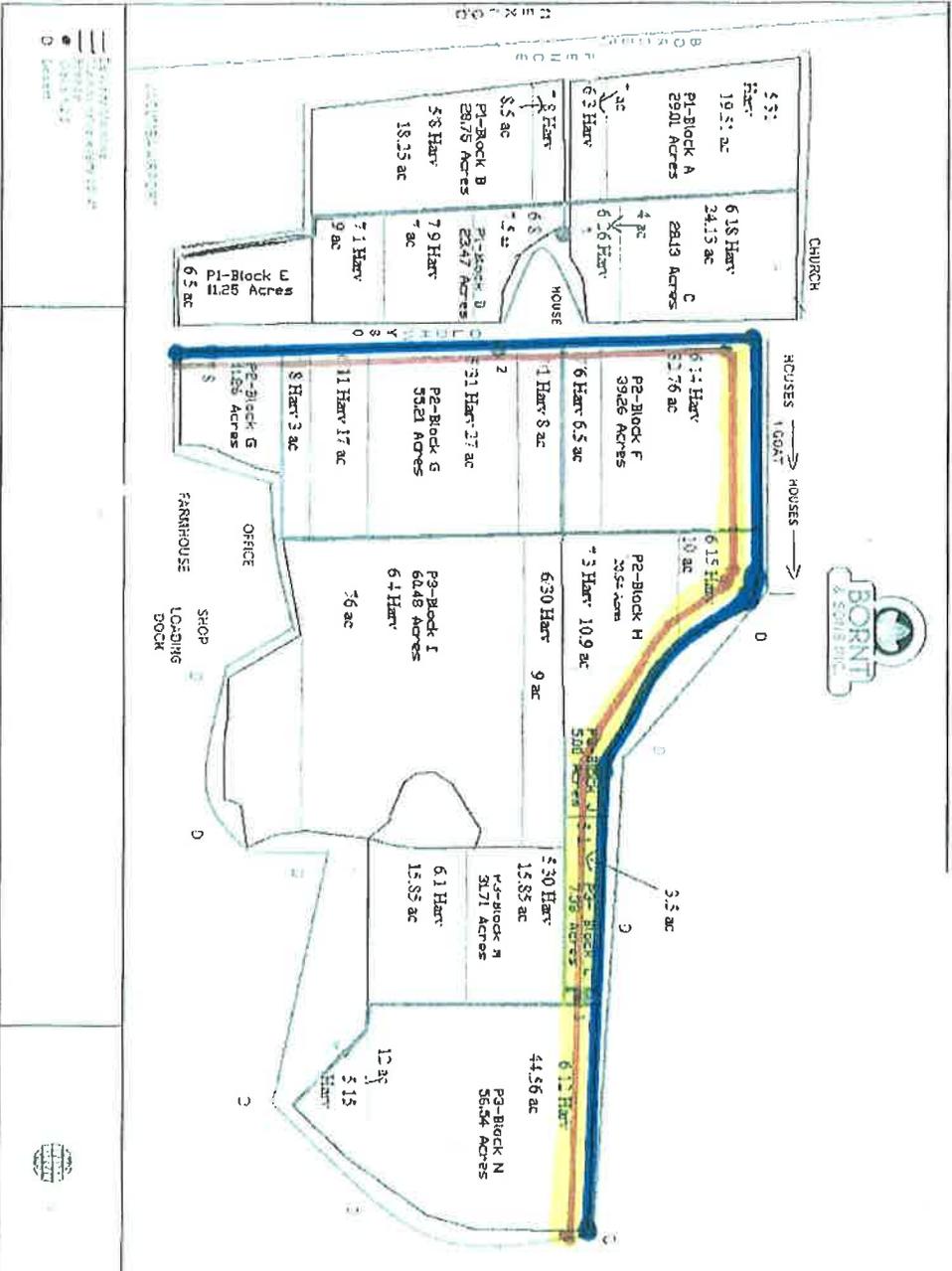
Attachment 1. Buffer Crop, Barrier and Collar Trap Map

Figure 1. VCP Monitoring Trap Locations

Draft 2012 Attachment 1

Dry Period/No Irrigation (except Buffer Crops)

June 15 through August 15



Buffer Crops
Barrier Cloth
Collar Traps

HB



Pointer 32°37'01.49" N 116°11'12.80" W elev 2813ft Streaming 100%

Figure 1

2012 Bornt Farm Eye Gnat Nuisance Prevention Plan