



06/02/2005

## **2004 BUTTE COUNTY AGRICULTURAL CROP REPORT**



**The Chico Museum's Patrick Ranch** preserves and interprets agricultural history of the Sacramento Valley, including social, cultural and economic aspects. It provides enrichment for all ages through education about our past.

**The Patrick Ranch** annual Threshing Bee is an educational and entertaining event that brings historic farming to life.



**The Patrick Ranch** offers outdoor tours which focus on two large adjacent ranches, from their beginnings as part of Spanish Land Grants and their transformation to agricultural products during and after the Gold Rush.

**The Patrick Ranch** is located at 10381 Midway, Durham CA 95938. Phone: 530-892-1525, e-mail: [chicomuseum@chico.com](mailto:chicomuseum@chico.com)

The cover photo was taken by Richard Price, Butte County Agricultural Commissioner



# *Butte County*

LAND OF NATURAL WEALTH AND  
BEAUTY

## **OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES**

316 NELSON AVENUE OROVILLE, CALIFORNIA 95965-3318  
AGRICULTURAL DEPT.: OFFICE: (530) 538-7381 FAX: (530) 538-7594

**RICHARD B. PRICE**  
Agricultural Commissioner  
Director of Weights and Measures

**LOUIE B. MENDOZA, JR.**  
Assistant Agricultural Commissioner/  
Weights and Measures

A.G. Kawamura, Secretary of  
California Department of Food and Agriculture

The Honorable Butte County Board of Supervisors

Kim Yamaguchi, Chairperson

Curt Josiassen

Jane Dolan

Mary Anne Houx

Bill Connelly

Paul McIntosh, Chief Administrative Officer,

In accordance with provisions of section 2279 of the California Food and Agriculture Code, I am submitting the sixty-third annual crop report of agricultural production and agricultural value in Butte County for the 2004 calendar year.

This report is a summary estimate of the acreage, production and gross value of Butte County agricultural products. The values presented in this report are gross values only, and do not reflect net farm income or costs of production and marketing.

The estimated gross value of agricultural production in Butte County for 2004 totaled \$358,274,000. This is a 12.8 million dollar increase over the 2003 gross value total of \$345,410,000. The total increase in gross value of agriculture during 2004 is 13 percent above our county 10-year average of \$311,700,000.

I wish to extend my appreciation to the many producers, processors and agencies, both private and governmental, and to all the staff for their efforts in the compilation of this report.

Respectfully submitted,

*Richard B. Price*

Richard B. Price  
Agricultural Commissioner

# **BUTTE COUNTY AGRICULTURAL COMMISSIONER'S OFFICE PERSONNEL**



## **Richard B. Price**

### **Agricultural Commissioner/Director of Weights & Measures**

Louie B. Mendoza Jr.	Assistant Agricultural Commissioner/Weights & Measures
Robert C. Hill	Deputy Agricultural Commissioner
Mary E. Daniels	Deputy Agricultural Commissioner

## **OROVILLE DISTRICT**

Stephen Scheer	Agricultural Biologist III
Charmagne Damron	Administrative Services Assistant
Friede Violante	Office Assistant III
Janice Wallick	Office Assistant II
Jim Coleman	Wildlife Specialist
Marie Heinemeyer	Agricultural /W&M Inspector
Michael Brown	Agricultural /W&M Inspector
Stan Everett	Agricultural /W&M Inspector
Margarito Santos	Agricultural /W&M Inspector
Jeremy Kinkel	Agricultural /W&M Inspector
Bill Kienzle	Engineering Aide

## **CHICO DISTRICT**

Robert Voorhees	Supervisor-Agricultural Biologist (Retired)
Helmut Bloo	Agricultural Biologist III
Navid Khan	Agricultural Biologist III
Matt Bozzo	Agricultural Biologist III
Eric Pittman	Agricultural Biologist III

## **GRIDLEY DISTRICT**

Mike Stewart	Supervisor-Agricultural Biologist
Ramon Jauregui	Agricultural Biologist III

## **WEIGHTS & MEASURES**

Tom Pisani	Deputy Director of Weights & Measures
Ron Hunt	Weights & Measures Inspector III
Dan Shrout	Weights & Measures Inspector III

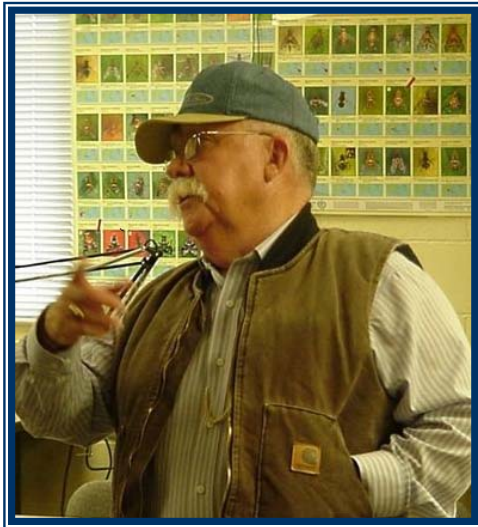
# The 2004 Butte County Agricultural Crop Report Is Dedicated to:



## Robert J. Voorhees

### Supervising Agricultural Biologist

In October of 2004 “Bob” retired after 31 years of service to the Butte County Agricultural Commissioner’s Office. Bob’s vast knowledge of local agriculture, good humor and his devotion to our agricultural community will be missed by our Department and our community.



## James Coleman

### Federal Wildlife Trapping Specialist

In December of 2004 “Jim” retired after a total of 29 years of service to the Butte County, Colusa County and Placer County Agricultural Commissioner’s Offices and the U.S. Department of Agriculture. Jim’s trapping skills, experience and get-the-job-done work ethic made him popular with the community and his co-workers. Our office will miss Jim’s smile and his ability to tell a good story.

**The staff at the Butte County Agriculture Department  
wishes Bob, Jim and their families a wonderful  
future and enjoyable retirement.**

# 2004 FRUIT & NUT CROPS ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	40,129	1,425	41,554
Apples	209	0	209
Apricots	41	0	41
Avocados	3	0	3
Cherries	254	0	254
Chestnuts	29	6	35
Grapes (All)	223	0	223
Kiwis	1,045	0	1,045
Mandarins	60	0	60
Nectarines	7	0	7
Olives	2,424	0	2,424
Oranges – Navels & Valencias	162	0	162
Peaches, Clingstone	2,425	228	2,653
Peaches, Freestone	70	14	84
Pears (All)	16	0	16
Pecans	210	22	232
Persimmons	65	10	75
Pistachios	500	0	500
Plums	140	58	198
Dried Plums	9,547	1,052	10,599
Walnuts, English	22,972	3,704	26,676
Walnuts, Black	20	22	42
<b>TOTAL</b>	<b>80,551</b>	<b>6,541</b>	<b>87,092</b>

\*Data from California Crop and Livestock Reporting Service and other sources.

# 2004 FIELD CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>			<u>VALUE</u>		
		<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Beans, Dry edible	2004	600	1.10	660	ton	\$660.00	\$436,000
	2003	500	1.19	595	ton	\$660.00	\$393,000
Hay, alfalfa	2004	2,400	6.00	14,400	ton	\$104.00	\$1,498,000
	2003	2,900	5.61	16,269	ton	\$94.00	\$1,529,000
Pasture, Irrigated	2004	15,500			acre	\$115.00	\$1,783,000
	2003	16,000			acre	\$115.00	\$1,840,000
Pasture, Other	2004	240,000			acre	\$9.00	\$2,160,000
	2003	240,000			acre	\$9.00	\$2,160,000
Rice	2004	105,000	4.57	479,850	ton	210.00	\$100,769,000
	2003	92,500	4.05	374,625	ton	*\$300.00	\$112,388,000
Safflower	2004	267	0.90	240	ton	\$220.00	\$53,000
	2003	700	0.80	560	ton	\$270.00	\$151,000
Wheat	2004	2,147	2.50	5,368	ton	\$90.00	\$483,000
	2003	4,440	2.11	9,368	ton	\$95.00	\$890,000
Misc.**	2004	5,071					\$5,220,000
	2003	4,942					\$4,928,000
<b>Total</b>	2004	370,985					\$112,402,000
	2003	361,982					\$124,279,000

\*Includes government payments.

\*\*Alfalfa silage, barley, beans (other), corn, corn silage, cotton, lavender, oats, pumpkin, sorghum, sunflower, wild rice, sweet rice, crop by-products, etc.

# 2004 FRUIT AND NUT ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
			<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Almonds	2004	40,129	.67	26,886	ton	\$4,045.00	\$108,754,000
	2003	39,168	.80	31,334	ton	\$2,778.00	\$87,046,000
Hulls	2004			33,608	ton	\$78.00	\$2,621,000
	2003			39,167	ton	\$70.00	\$2,742,000
Citrus, all oranges	2004	162	9.71	1,573	ton	\$632.00	\$994,000
	2003	162	10.15	1,644	ton	\$468.00	\$769,000
Kiwis	2004	886	4.40	3,810	ton	\$833.00	\$3,174,000
	2003	1,078	6.54	7,050	ton	\$647.00	\$4,561,000
*Olives	2004	1,686	3.19	5,378	ton	\$460.00	\$2,474,000
	2003	1,550	2.24	3,472	ton	\$450.00	\$1,562,000
Peaches, Clingstone	2004	2,425	14.9	36,133	ton	\$237.00	\$8,564,000
	2003	2,425	17.36	42,098	ton	\$229.00	\$9,640,000
Pistachios	2004	500	1.11	555	ton	\$2,535.00	\$1,407,000
	2003	500	.43	215	ton	\$2,600.00	\$559,000
Plums, Dried	2004	9,547	.89	8,497	ton	\$1,154	\$9,805,000
	2003	9,873	2.41	23,794	ton	\$675.00	\$16,061,000
Walnuts, English	2004	22,972	1.72	39,512	ton	\$1,361.00	\$53,776,000
	2003	21,670	1.89	40,956	ton	\$1,160.00	\$47,509,000
**Misc.	2004	1,392					\$4,918,000
	2003	1,368					\$5,162,000
<b>TOTAL</b>	2004	79,699					\$196,487,000
	2003	77,764					\$175,611,000

\*2003/2004 Data includes olives grown for canning, specialty products and oil.

\*\*Apricots, avocados, black walnuts, bush berries, cherries, chestnuts, grapes, mandarins, nectarines, peaches (Freestone), crop by-products, pears, pecans, persimmons, plums, fresh prunes, etc.

Acres may vary from state report. Figures are based on harvested acres only.



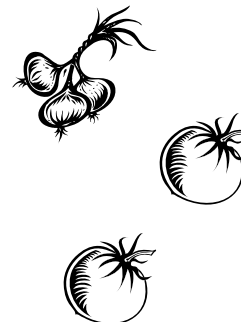


## 2004 SEED ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
				<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Beans, Dry Kidney	2004	800	2,198	1,758,400	lbs	\$0.39	\$686,000
	2003	444	1,924	854,256	lbs	\$0.36	\$308,000
Rice	2004	4,050	8,400	34,020,000	lbs	\$0.17	\$5,783,000
	2003	4,055	7,900	32,034,500	lbs	\$0.18	\$5,766,000
*Misc.	2004	1,202					\$1,611,000
	2003	1,479					\$1,385,000
<b>Total</b>	2004	6,052					\$8,080,000
	2003	5,978					\$7,459,000

\*Barley, beans (other), cucurbits, melons, oats, onions, pumpkins, safflower, squash, sunflower, vetch, watermelon, wheat, etc...

## 2004 VEGETABLE ACREAGE AND VALUE



<u>YEAR</u>	<u>TOTAL VALUE</u>
*Misc. 2004	\$550,000
2003	\$510,000

\*Asparagus, broccoli, corn, cucumbers, melons, onions, oriental vegetables, pumpkins, squash, tomatoes, etc.

## 2004 NURSERY PRODUCTION AREA, PLANTS AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>FIELD ACRE.</u>	<u>TOTAL</u>
*Misc.	2004	151	\$10,786,000
	2003	141	\$11,985,000

\*Includes broad leaved evergreens, coniferous evergreens, deciduous fruit, nut and shade trees, shrubs, kiwi vines, herbaceous perennials, indoor decorative plants, bulbs, rhizomes, bedding plants, specimen trees.



# 2004 APIARY PRODUCTS PRODUCTION AND VALUE

<u>ITEM</u>	<u>PRODUCTION</u>			<u>VALUE</u>	
	<u>YEAR</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Pollination	2004	39,000	Colony	\$52.00	\$2,028,000
	2003	48,000	Colony	\$45.00	\$2,160,000
*Other Apiary Products	2004				\$550,000
	2003				\$464,000
TOTAL	2004				\$2,578,000
	2003				\$2,624,000

\*Includes beeswax, honey, beeswax, nuclei, packaged bees and queens.



# 2004 HARVESTED TIMBER PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION BOARD FEET*</u>	<u>VALUE</u>
Harvested Timber	**2004	52,479,000	\$15,032,000
	**2003	47,087,000	\$13,264,000

\*Board feet is the quantity of timber cut and scaled.

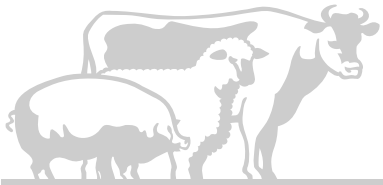
\*\*Timber production and value data provided by State Board of Equalization, Timber Tax Division.



# 2004 LIVESTOCK AND POULTRY PRODUCTION AND VALUE



<u>ITEM</u>	<u>YEAR</u>	<u>Production</u>		<u>Value</u>		
		<u>NO. OF HEAD</u>	<u>TOTAL LIVE WEIGHT</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Cattle and Calves	2004	13,500	80,325	cwt.	\$111.00	\$8,916,000
	2003	13,500	80,325	cwt.	\$83.20	\$6,683,000
Sheep, all	2004	1,700	1,860	cwt.	\$90.40	\$168,000
	2003	1,550	1,860	cwt.	\$88.00	\$164,000
Hogs, all	2004	700	1,553	cwt.	\$49.50	\$77,000
	2003	750	1,553	cwt.	\$35.70	\$55,000
*Misc.	2004					\$950,000
	2003					\$900,000
TOTAL	2004					\$10,111,000
	2003					\$7,802,000



\*Fish, Poultry, Pheasant, Quail, Rabbits, Worms, etc.

## 2004 LIVESTOCK PRODUCTS

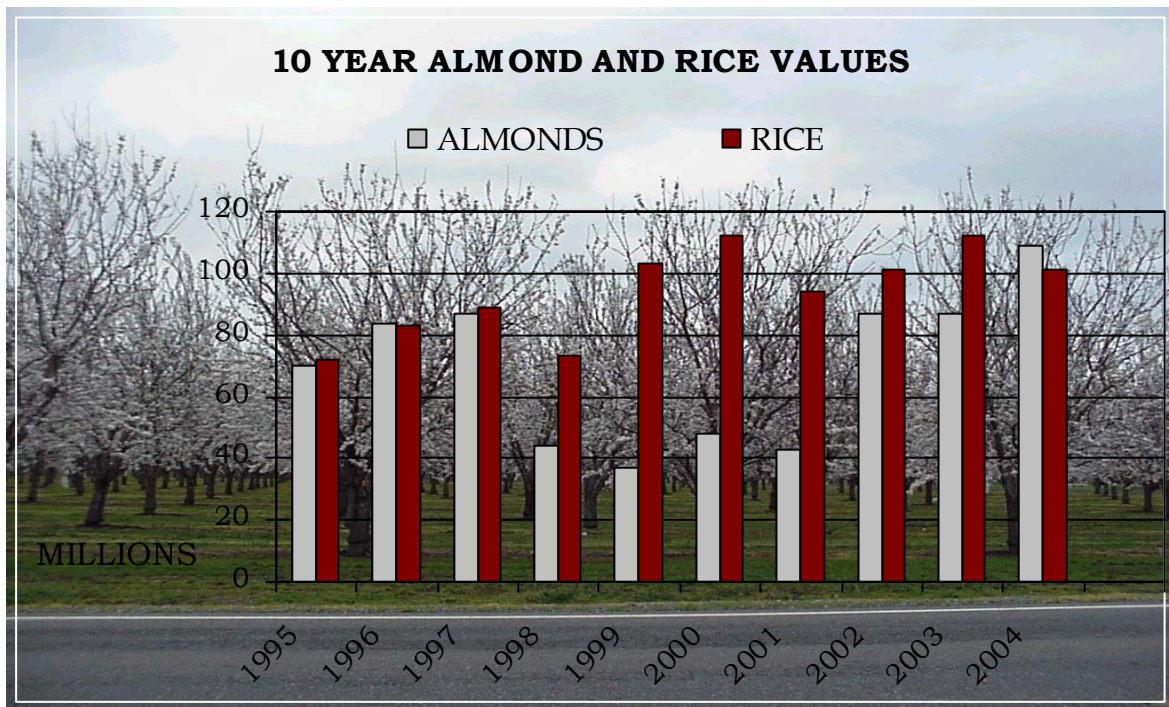
<u>ITEM</u>	<u>YEAR</u>	<u>PRODUCTION</u>		<u>VALUE</u>	
		<u>PRODUCTION</u>	<u>UNIT</u>	<u>PER UNIT</u>	<u>TOTAL</u>
Milk, Market*	2004	134,258	cwt.	\$16.17	\$2,171,000
	2003	143,925	cwt.	\$12.54	\$1,805,000
Milk, Manufacturing*	2004	5,057	cwt.	\$15.20	\$77,000
	2003	5,995	cwt.	\$11.82	\$71,000
TOTAL	2004	139,315			\$2,248,000
	2003	149,920			\$1,876,000

\*California Agricultural Statistics Service



# 2004 MILLION DOLLAR CROPS

	<b><u>CROP</u></b>	<b><u>VALUE</u></b>
1	ALMONDS	\$108,754,000
2	RICE	\$100,769,000
3	WALNUTS	\$53,776,000
4	TIMBER	\$15,032,000
5	NURSERY STOCK	\$10,786,000
6	DRIED PLUMS	\$9,805,000
7	CATTLE/CALVES	\$8,916,000
8	PEACHES, Clingstone	\$8,564,000
9	RICE SEED	\$5,783,000
10	FIELD CROPS, misc.	\$5,220,000
11	FRUIT & NUT CROPS, misc.	\$4,918,000
12	KIWIS	\$3,174,000
13	ALMOND HULLS	\$2,621,000
14	OLIVES, All	\$2,474,000
15	MILK, Market	\$2,171,000
16	DRYLAND PASTURE & RANGE	\$2,160,000
17	APIARY POLLINATION	\$2,028,000
18	PASTURE, Irrigated	\$1,783,000
19	SEED CROPS, misc.	\$1,611,000
20	HAY, Alfalfa	\$1,498,000
21	PISTACHIOS	\$1,407,000





## FIVE-YEAR SUMMARY OF CROP VALUES

	2000	2001	2002	2003	2004
Field Crops	\$127,540,000	\$106,642,000	\$112,987,000	\$124,279,000	\$112,402,000
Seed Crops	7,552,000	5,755,000	\$6,877,000	\$7,459,000	\$8,080,000
Vegetable Crops	570,000	505,000	\$490,000	\$510,000	\$550,000
Fruit & Nut Crops	138,634,000	121,991,000	\$149,687,000	\$175,611,000	\$196,487,000
Nursery Stock	5,961,000	8,555,000	\$7,178,000	\$11,985,000	\$10,786,000
Apiary Products	2,515,000	2,377,000	\$2,260,000	\$2,624,000	\$2,578,000
Livestock, all	8,573,000	8,800,000	\$8,018,000	\$9,678,000	\$12,359,000
<b>Subtotal</b>	<b>\$291,345,000</b>	<b>\$254,625,000</b>	<b>\$287,497,000</b>	<b>\$332,146,000</b>	<b>\$343,242,000</b>
Timber	33,484,000	32,878,000	\$18,056,000	\$13,264,000	\$15,032,000
<b>Grand Total</b>	<b>\$324,829,000</b>	<b>\$287,503,000</b>	<b>\$305,553,000</b>	<b>\$345,410,000</b>	<b>\$358,274,000</b>

## 2004 FIVE-YEAR SUMMARY OF PLANT CROP ACRES

	2000	2001	2002	2003	2004
Field Crops	400,058	391,368	398,599	361,982	371,000
Seed Crops	8,962	5,699	6,020	5,978	6,050
Vegetable Crops	800	700	675	685	685
Fruit & Nut Crops	75,057	75,835	75,222	77,764	79,700
<b>Grand Total</b>	<b>478,902</b>	<b>473,602</b>	<b>480,516</b>	<b>446,409</b>	<b>457,435</b>

## ORGANIC CROP STATISTICS 2004

<u>CROP</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Organic, all	56	5,775

# 2004 SUSTAINABLE AGRICULTURAL REPORT

This report summarizes the varied activities conducted and the methods used to prevent and control the spread of exotic pests in Butte County.

The pest detection, pest exclusion, and pest eradication programs serve to protect the county from infestation of introduced pests. Through monitoring and quick response to small infestations, damaging pest populations can be controlled before they require a large-scale response.

Biological control provides a method of sustainable pest control with a minimum impact to the environment.

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Program</u>
<u>PEST EXCLUSION</u> Exotic Pests	9,882 Shipments inspected for live pests, including Glassy-winged Sharp Shooter and Sudden Oak Death.	
<u>PEST DETECTION</u> Gypsy Moth, Med. Fly, Japanese & Khapra Beetle, Oriental, Melon & Olive Fruit Flies and Glassy-winged sharpshooter.	1,216 Traps placed throughout the County to detect the presence of these pests.	1,873 Olive Fruit Flies trapped
<u>PEST ERADICATION</u> Spotted Knapweed Diffuse Knapweed Hoary Cress Perennial Peppergrass White Horsenettle Skeleton Weed Dyer's Woad	Controlled by a combination of mechanical and chemical methods.	52 Sites spread throughout the county
<u>PEST MANAGEMENT</u> Glassy Winged Sharpshooter <u>Homalodisca coagulata</u>	Controlled by chemical method	2 Treatments
<u>PEST MANAGEMENT</u> & Yellowstar Thistle <u>Centaurea solstitialis</u>  Klamath Weed <u>Hypericum perforatum</u> Puncture Vine <u>Tribulus terrestris</u> Italian Thistle <u>Carduus tenuiflorus/</u> <u>Carduus pycnocephalus</u> Ash Whitefly <u>Siphoninus phillyreae</u> Purple loosestrife <u>Lythrum salicaria</u> Eucalyptus Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	<u>BIOLOGICAL CONTROL</u> Seed Weevils / Gall Fly / Seed Fly <u>Bangasternus/ Chaetoriella/ Eustenpus/ Larinus/ Urophora</u> Klamath Beetle <u>Chrysoline gemellata</u> Stem & Seed Weevils <u>Microlarinus lypriformis</u> Seed head Weevils <u>Rhinocyllus conicus</u>  A parasitic wasp <u>Encarsia partenopea</u> Root & seed Weevils/Leaf Beetles <u>Hylobius/Nanophyes/galerucella</u> Parasitic wasp <u>Psyllaephagus bliteus</u>	Generally distributed Generally distributed Generally distributed Generally distributed Generally distributed Nursery sites Nursery sites

