A. G. Kawamura, Secretary
California Department of Food and Agriculture
and
Honorable Board of Supervisors, Humboldt County
    Jill Geist, Chair
    Bonnie Neely
    Jimmy Smith
    Roger Rodoni
    John Woolley

I am pleased to present Humboldt County’s Crop and Livestock Report in accordance with Sections 2272 and 2279 of the California Food and Agricultural Code. The following summary represents gross agricultural receipts for the year 2004 but does not reflect production costs or net income to the producers.

Humboldt County recorded a value of $295,296,200 for its total gross agricultural production in 2004. This represents an increase of $32.5 million over 2003 production. Our greatest increases are related to the value of harvested timber, which is up over $26 million and nursery production, which is up more than $5 million. All other commodity groups, except livestock & poultry and field crops, reported production gains. Our leading agricultural commodities are ranked as follows:

- **Timber Production** .................................. $ 174,456,900
- **Milk and Milk Products** .......................... $ 45,721,000
- **Nursery Stock (cut flowers, ornamental and forest tree production)** ......................... $ 40,793,400
- **Livestock (beef cattle & calves, dairy cows, sheep & lambs, etc.)** .......................... $ 23,468,800
- **Field Crops (alfalfa, silage, range, etc.)** .................................. $ 9,261,100
- **Vegetable Crops** .................................. $ 880,700
- **Fruit & Nut Crops** ................................. $ 714,300

A word of personal thanks goes to my office staff, the County’s Agricultural Industry, participating agencies and to all whose expertise and cooperation made this report possible.

Respectfully submitted,

**John E. Falkenstrom**

John E. Falkenstrom
Acting Agricultural Commissioner
**FIELD CROPS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YR.</th>
<th>HARVEST ACREAGE</th>
<th>PRODUCTION PER ACRE</th>
<th>TOTAL</th>
<th>UNIT</th>
<th>PER UNIT</th>
<th>VALUE TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hay (All)</td>
<td>2004</td>
<td>1,800</td>
<td>3.35</td>
<td>6,030</td>
<td>Ton</td>
<td>115.00</td>
<td>693,450</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>1,956</td>
<td>3.60</td>
<td>7,042</td>
<td>Ton</td>
<td>110.00</td>
<td>774,600</td>
</tr>
<tr>
<td>Silage (All)</td>
<td>2004</td>
<td>850</td>
<td>20.00</td>
<td>17,000</td>
<td>Ton</td>
<td>42.00</td>
<td>595,000</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>960</td>
<td>22.00</td>
<td>19,200</td>
<td>Ton</td>
<td>35.00</td>
<td>806,400</td>
</tr>
<tr>
<td>Pasture (All)</td>
<td>2004</td>
<td>21,000</td>
<td>Acre</td>
<td>145.00</td>
<td></td>
<td></td>
<td>3,272,650</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>21,000</td>
<td>Acre</td>
<td>145.00</td>
<td></td>
<td></td>
<td>3,045,000</td>
</tr>
<tr>
<td>Range</td>
<td>2004</td>
<td>470,000</td>
<td>Acre</td>
<td>10.00</td>
<td></td>
<td></td>
<td>4,700,000</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>470,000</td>
<td>Acre</td>
<td>10.00</td>
<td></td>
<td></td>
<td>4,700,000</td>
</tr>
</tbody>
</table>

*Includes: Alfalfa, grass, clover*

**VEGETABLE CROPS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YEAR</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetable Crops</td>
<td>2004</td>
<td>880,700</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>868,000</td>
</tr>
</tbody>
</table>

*Includes: Corn, potatoes, pumpkins, tomatoes, squash, cabbage, beans, peppers, mushrooms, alfalfa sprouts, etc.*

**FRUIT AND NUT CROPS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YEAR</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miscellaneous Fruits and Nuts</td>
<td>2004</td>
<td>714,300</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>698,000</td>
</tr>
</tbody>
</table>

*Includes: apples, berries, cherries, chestnuts, figs, peaches, walnuts and grapes (wine/table)*
### NURSERY PRODUCTION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YEAR</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut flowers and decoratives, bedding plants, ornamentals and forest nursery tree production</td>
<td>2004</td>
<td>40,793,400</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>35,858,600</td>
</tr>
</tbody>
</table>

### TIMBER

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YR.</th>
<th>PRODUCTION</th>
<th>UNIT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber</td>
<td>2004</td>
<td>396,500,000</td>
<td>Board Feet</td>
<td>169,122,000</td>
</tr>
<tr>
<td>Production (All)</td>
<td>2003</td>
<td>383,675,000</td>
<td>Board Feet</td>
<td>142,830,400</td>
</tr>
<tr>
<td>Biomass &amp; Composting</td>
<td>2004</td>
<td>410,377</td>
<td>Ton</td>
<td>5,334,900</td>
</tr>
<tr>
<td>Composting</td>
<td>2003</td>
<td>346,255</td>
<td>Ton</td>
<td>5,194,000</td>
</tr>
</tbody>
</table>

1 Total includes softwood saw logs and miscellaneous products (Christmas trees, cull logs, fuel wood, pulp chips, hardwood logs, poles and pilings and miscellaneous small saw logs).
2 Biomass and Composting data were compiled for the first time in 2002.
### LIVESTOCK & POULTRY

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YR.</th>
<th>NO. OF HEAD</th>
<th>TOT. WT.</th>
<th>UNIT</th>
<th>VALUE PER UNIT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beef Cattle</td>
<td>2004</td>
<td>27,200</td>
<td>149,600</td>
<td>CWT</td>
<td>88.30</td>
<td>13,209,700</td>
</tr>
<tr>
<td>and Calves</td>
<td>2003</td>
<td>29,300</td>
<td>161,150</td>
<td>CWT</td>
<td>89.90</td>
<td>14,487,400</td>
</tr>
<tr>
<td>Dairy Cows and Calves (all)</td>
<td>2004</td>
<td>20,500</td>
<td></td>
<td>HEAD</td>
<td>90.40</td>
<td>6,336,000</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>22,000</td>
<td></td>
<td>HEAD</td>
<td>88.00</td>
<td>5,904,000</td>
</tr>
<tr>
<td>Sheep and Lambs (all)</td>
<td>2004</td>
<td>4,100</td>
<td>4,250</td>
<td>CWT</td>
<td>90.40</td>
<td>384,200</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>5,800</td>
<td>5,800</td>
<td>CWT</td>
<td>88.00</td>
<td>510,400</td>
</tr>
<tr>
<td>Misc.</td>
<td>2004</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,538,900</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,538,900</td>
</tr>
</tbody>
</table>

1 Includes: Cows, calves, bulls, steers
2 Includes: Aquaculture, chickens, turkey, swine, goats, etc.

**TOTAL:**

<table>
<thead>
<tr>
<th>YR.</th>
<th>VALUE TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>23,468,800</td>
</tr>
<tr>
<td>2003</td>
<td>24,872,700</td>
</tr>
</tbody>
</table>

### LIVESTOCK & POULTRY PRODUCTS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YEAR</th>
<th>PRODUCTION</th>
<th>UNIT</th>
<th>VALUE PER UNIT</th>
<th>VALUE TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market Milk</td>
<td>2004</td>
<td>2,050,181</td>
<td>CWT</td>
<td>15.62</td>
<td>32,024,000</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>2,833,550</td>
<td>CWT</td>
<td>11.76</td>
<td>33,323,000</td>
</tr>
<tr>
<td>Manufacturing Milk</td>
<td>2004</td>
<td>868,561</td>
<td>CWT</td>
<td>15.20</td>
<td>13,202,000</td>
</tr>
<tr>
<td></td>
<td>2002</td>
<td>823,763</td>
<td>CWT</td>
<td>11.82</td>
<td>9,737,000</td>
</tr>
<tr>
<td>Misc.¹</td>
<td>2004</td>
<td>495,000</td>
<td></td>
<td></td>
<td>495,000</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>110,300</td>
<td></td>
<td></td>
<td>110,300</td>
</tr>
</tbody>
</table>

¹ Includes: Wool, apiary and dairy goat products

**TOTAL:**

<table>
<thead>
<tr>
<th>YR.</th>
<th>VALUE TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>45,721,000</td>
</tr>
<tr>
<td>2003</td>
<td>43,170,300</td>
</tr>
</tbody>
</table>
ORGANIC AND CERTIFIED PRODUCERS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YEAR</th>
<th>NO. REGISTRANTS</th>
<th>EST. ACRES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Registrants</td>
<td>2004</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>Certified Producers</td>
<td>2004</td>
<td>142</td>
<td>624*</td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>133</td>
<td>460*</td>
</tr>
<tr>
<td>Farmer’s Markets</td>
<td>2004</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2003</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

CROPS: Beans, berries, cabbage, carrots, cherries, corn, cucumbers, garlic, herbs, flowers, lettuce, melons, mushrooms, onions, peaches, peas, potatoes, pumpkins, sprouts, squash, tomatoes, etc.

*Includes acreage associated with organic hay, pasture and silage production.

RECAPITULATION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>YEAR</th>
<th>2004</th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Crops</td>
<td></td>
<td>$ 9,261,100</td>
<td>$ 9,326,000</td>
</tr>
<tr>
<td>Vegetable Crops</td>
<td></td>
<td>$ 880,700</td>
<td>$ 868,000</td>
</tr>
<tr>
<td>Fruit &amp; Nut Crops</td>
<td></td>
<td>$ 714,300</td>
<td>$ 698,000</td>
</tr>
<tr>
<td>Nursery Production</td>
<td></td>
<td>$ 40,793,400</td>
<td>$ 35,858,600</td>
</tr>
<tr>
<td>Livestock &amp; Poultry</td>
<td></td>
<td>$ 23,468,800</td>
<td>$ 24,872,700</td>
</tr>
<tr>
<td>Livestock &amp; Poultry Products</td>
<td></td>
<td>$ 45,721,000</td>
<td>$ 43,170,300</td>
</tr>
<tr>
<td>Timber</td>
<td></td>
<td>$174,456,900</td>
<td>$148,024,400</td>
</tr>
<tr>
<td>GRAND TOTALS</td>
<td>2004</td>
<td>$ 295,296,200</td>
<td>$ 262,818,000</td>
</tr>
</tbody>
</table>

5
The implementation of agricultural practices and programs which promote the economic viability of agriculture while minimizing the impacts of these practices and programs on natural resources and the environment is sustainable agriculture. The scope of Humboldt County’s biological control programs and organic farming practices are summarized below.

### County Biological Control

<table>
<thead>
<tr>
<th>PEST</th>
<th>AGENT/MECHANISM</th>
<th>2004</th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TANSY RAGWORT</strong></td>
<td>Ragwort flea beetle</td>
<td>4 sites</td>
<td>4 sites</td>
</tr>
<tr>
<td>(Senecio jacobaea)</td>
<td>(Longitarsus jacobaeae)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>YELLOWSTAR THISTLE</strong></td>
<td>Seed-head weevil</td>
<td>14 sites</td>
<td>14 sites</td>
</tr>
<tr>
<td>(Centaurea solstitialis)</td>
<td>(Bangasternus orientalis)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gall fly</td>
<td>(Urophora sirunaseva)</td>
<td>5 sites</td>
<td>5 sites</td>
</tr>
<tr>
<td>Hairy weevil</td>
<td>(Eustenopus villosus)</td>
<td>1 site</td>
<td>24 sites</td>
</tr>
<tr>
<td>Fungus</td>
<td>(Puccinia jaceae var. solstitialis)</td>
<td>2 sites</td>
<td></td>
</tr>
<tr>
<td><strong>KLAMATH WEED</strong></td>
<td>Leaf &amp; root weevil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Hypericum perforatum)</td>
<td>(Chrysolina quadrigemina)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(= C. gemellata)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BULL THISTLE</strong></td>
<td>Bull Thistle Gall Fly</td>
<td>9 sites</td>
<td>9 sites</td>
</tr>
<tr>
<td>(Crisium vulgare)</td>
<td>(Urophora stylata)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANADA THISTLE</strong></td>
<td>Gall Fly</td>
<td>2 sites</td>
<td>2 sites</td>
</tr>
<tr>
<td>(Cilsium arvense)</td>
<td>(Urophora cardui)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ITALIAN THISTLE</strong></td>
<td>Seed weevil</td>
<td>1 site</td>
<td>1 site</td>
</tr>
<tr>
<td>(Carduus pycnocephalus)</td>
<td>(Rhinocyllus conicus)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PEST EXCLUSION** involves the systematic inspection of incoming shipments of plant materials and other high-risk articles, which enter Humboldt County at post offices and other terminals (truck lines, United Parcel, air freight, and commercial vessels, etc.). The primary objective is to prevent the introduction into Humboldt County of plant diseases, insects, nematodes, weeds or vertebrate pests which are or could prove to be detrimental to the local and state agricultural industry and natural environment.

### PEST EXCLUSION

<table>
<thead>
<tr>
<th>Method of Conveyance</th>
<th>2004 No. Inspections</th>
<th>2004 No. Rejections</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPS/Postal Shipments</td>
<td>8,577</td>
<td>105*</td>
</tr>
</tbody>
</table>

**Wild Garlic**

*Allium vineale*

- No. Rejections: 0

**Certification/Labeling Violations**

- UPS/Postal Shipments/FedEx: 99
- No. Rejections: 105*

**Various Plant Pests**

- UPS/Postal Shipments/FedEx: 6
- No. Rejections: 105*

**Noxious Weeds**

- UPS/Postal Shipments: 0
- No. Rejections: 105*

* Shipments rejected and/or destroyed.

**PEST DETECTION** activities are focused on the search for pests, which are not known to exist in the State, or are of limited distribution throughout California. Detection trapping activities are conducted locally for insect pests such as Gypsy Moth and Japanese beetle. In addition, field surveys are continually being conducted throughout Humboldt County in order to locate and identify noxious weeds, plant diseases and vertebrate pests.

### PEST DETECTION

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Servicings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gypsy Moth</strong></td>
<td>286</td>
</tr>
<tr>
<td><strong>Glassy-Winged Sharpshooter</strong></td>
<td>117 (inspections)</td>
</tr>
<tr>
<td><strong>Japanese Beetle</strong></td>
<td>22</td>
</tr>
</tbody>
</table>

Insect Traps

- **Gypsy Moth**: 1,260
- **Glassy-Winged Sharpshooter**: 844
- **Japanese Beetle**: 85
### Humboldt County Agricultural Gross Values for the 1995-2004 Decade

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Crops</td>
<td>7,054,000</td>
<td>7,039,600</td>
<td>8,223,780</td>
<td>8,177,800</td>
<td>8,200,500</td>
<td>7,972,300</td>
<td>8,998,750</td>
<td>8,977,650</td>
<td>9,326,000</td>
<td>9,261,100</td>
</tr>
<tr>
<td>Vegetable Crops</td>
<td>836,000</td>
<td>836,000</td>
<td>897,000</td>
<td>676,000</td>
<td>763,208</td>
<td>814,190</td>
<td>952,000</td>
<td>987,800</td>
<td>868,000</td>
<td>880,700</td>
</tr>
<tr>
<td>Fruit/Nut Crops</td>
<td>27,000</td>
<td>27,000</td>
<td>78,000</td>
<td>91,000</td>
<td>111,567</td>
<td>430,246</td>
<td>506,850</td>
<td>683,100</td>
<td>698,000</td>
<td>714,300</td>
</tr>
<tr>
<td>Nursery Production</td>
<td>18,319,000</td>
<td>18,319,000</td>
<td>22,576,611</td>
<td>23,226,500</td>
<td>25,806,000</td>
<td>32,859,191</td>
<td>33,952,000</td>
<td>35,321,300</td>
<td>35,858,600</td>
<td>40,793,400</td>
</tr>
<tr>
<td>Livestock/Poultry</td>
<td>11,226,000</td>
<td>10,830,537</td>
<td>12,443,189</td>
<td>14,548,760</td>
<td>19,936,281</td>
<td>21,020,200</td>
<td>22,347,800</td>
<td>22,579,750</td>
<td>24,872,700</td>
<td>23,468,800</td>
</tr>
<tr>
<td>Livestock/Products</td>
<td>30,589,000</td>
<td>34,709,000</td>
<td>36,067,700</td>
<td>39,055,200</td>
<td>38,283,000</td>
<td>33,636,400</td>
<td>42,972,000</td>
<td>31,734,400</td>
<td>43,170,300</td>
<td>45,721,000</td>
</tr>
<tr>
<td>Timber</td>
<td>235,529,000</td>
<td>235,529,000</td>
<td>238,011,000</td>
<td>203,494,572</td>
<td>181,487,821</td>
<td>285,232,953</td>
<td>190,571,200</td>
<td>134,963,400</td>
<td>148,024,400</td>
<td>174,456,900</td>
</tr>
<tr>
<td>TOTAL</td>
<td>303,580,000</td>
<td>307,290,137</td>
<td>318,297,280</td>
<td>289,269,832</td>
<td>274,588,377</td>
<td>381,965,480</td>
<td>300,300,600</td>
<td>235,247,400</td>
<td>262,818,000</td>
<td>295,296,200</td>
</tr>
</tbody>
</table>