Idaho Dairy Industry Overview

Agricultural Air Quality Task Force
April 30, 2014
### Idaho Dairy Operation by Size

Numbers provided by ISDA – January 2014

<table>
<thead>
<tr>
<th>No. Dairy Operations</th>
<th>Percentage of Operations</th>
<th>No. Cows</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>29.8%</td>
<td>&lt; 200</td>
</tr>
<tr>
<td>101</td>
<td>19.2%</td>
<td>201–500</td>
</tr>
<tr>
<td>102</td>
<td>19.4%</td>
<td>501–1,000</td>
</tr>
<tr>
<td>77</td>
<td>14.6%</td>
<td>1,001–2000</td>
</tr>
<tr>
<td>89</td>
<td>16.9%</td>
<td>2,001 +</td>
</tr>
</tbody>
</table>

**TOTAL DAIRY OPERATIONS: 526**

**MILK COWS IN IDAHO: 541,587**
Idaho Dairy Industry
January 2014

MAGIC VALLEY
DAIRIES: 304
COWS: 396,545
AVERAGE COWS / DAIRY: 1,284

EASTERN IDAHO
DAIRIES: 122
COWS: 33,098
AVERAGE COWS / DAIRY: 271

TREASURE VALLEY
DAIRIES: 100
COWS: 118,307
AVERAGE COWS / DAIRY: 1,183

Aerial of a Western Style Open Lot Dairy
Idaho Cropland & Irrigation
4.2 million harvested acres
2.9 million irrigated harvested acres
3.2 million acres irrigated land
Idaho Processing
January 2014

MAGIC VALLEY
Glanbia Foods, Richfield
Glanbia Foods, Gooding
Glandia Foods, Twin Falls
Jerome Cheese, Jerome
Darigold, Jerome
Idaho Milk Products, Jerome
Cloverleaf Creamery, Buhl
Chobani, Twin Falls
Gossner Foods, Heyburn
High Desert Milk, Burley
Brewster Cheese, Rupert
Stoker Wholesale, Burley
Commercial Creamery, Jerome
Ballard Cheese, Gooding

TREASURE VALLEY
Sorrento Lactalis, Nampa
Darigold, Caldwell
Darigold, Boise
MeadowGold, Boise
Marathon Cheese, Mountain Home

EASTERN IDAHO
Reed's Dairy, Idaho Falls
Glanbia Blackfoot Cheese Division, Blackfoot
Nelson Ricks Cheese, Rexburg
### Idaho Milk Production
Numbers provided by IDPC

<table>
<thead>
<tr>
<th>Year</th>
<th>Production (billion lbs.)</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>12.33</td>
<td>+7.2%</td>
</tr>
<tr>
<td>2009</td>
<td>12.12</td>
<td>-1.30%</td>
</tr>
<tr>
<td>2010</td>
<td>12.75</td>
<td>+5.11%</td>
</tr>
</tbody>
</table>

### Idaho Growth 1998 – 2008
BSU Study by Dr. Holly and Dr. Church

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S.</th>
<th>Idaho</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+48%</td>
<td>+533%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S.</th>
<th>Idaho</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+147%</td>
<td>+633%</td>
</tr>
</tbody>
</table>

### Jobs Created by Dairy
2008 BSU Study

<table>
<thead>
<tr>
<th>Employment Type</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dairy Farms</td>
<td>8,300</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>2,371</td>
</tr>
<tr>
<td>Secondary &amp; Induced Employment</td>
<td>22,406</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33,077</strong></td>
</tr>
</tbody>
</table>
2012 Crop & Livestock Cash Receipts

Crops $3.4 billion, up 5%

Potatoes: ↑4%
  ➢ Production up 12%, prices down 9%
Barley: ↑32%
  ➢ Production up 15%, prices up 23%
Wheat: ↑4%
  ➢ Production down 15%, prices up 8%
Dry Beans: ↑27%
  ➢ Production up 61%, prices up 27%

Greenhouse/Nursery: Unchanged

Hay: ↓12%
  ➢ Production down 4%, prices same
Onions: ↓7%
  ➢ Production down 16%, prices up 12%
Sugarbeets: ↓10%
  ➢ Production up 7%, prices down 15%

Livestock $4.3 billion, up 8%

Cattle & Calves: ↑25%
  ➢ Inventories up 5%
  ➢ Prices averaged 19% higher

Milk: Unchanged
  ➢ Production up 2%
  ➢ Prices down 2%
Record High Cash Receipts

Idaho Cash Receipts, 2012

- Grain, $1,102, 14%
- Sugarbeets, Onions, Beans, $439, 6%
- Hay, $526, 7%
- Potatoes, $957, 13%
- Nursery & Other Crops, $325, 4%
- Beef & Other Livestock, $1,870, 24%
- Milk, $2,445, 32%

$7.7 billion, 2012

$7.4 billion, 2011
IDA’s Commitment to Education & Research
Our #1 Investment from 2007-2013

- Dairy Production Research - $503,930
- Dairy Education - $390,479
- Environmental Research - $975,685
- Total Research & Education - $1,870,094
- Idaho National Center for Livestock & Environmental Studies (INCLES) – IDA has committed $3 million
- Youth Programs - $174,396
  - FFA - $62,423
  - 4H - $75,473
  - College Scholarships - $36,500
IDA’s #2 Expense from 2007-2013

- Legal Fees $1,484,672

- Key Legal Engagements
  - CERCLA/EPCRA
  - Permit to Construct – Ammonia Rules
  - Methanol Emissions
  - Citizen suit against 5 Yakima Dairies
IDA’s Views on the Clear Air Act

- Agriculture was intended to be exempt from the Clear Air Act
- If regulation is unavoidable; Idaho ammonia regulations provide a good template
  - Negotiated process
    - Regulatory agency
    - Industry
    - Citizen group(s)
  - Economical – for both industry and consumers
  - Flexible
  - Produces compliance results, thus environmental protection
- Data used to base regulations needs to be scientifically accurate and peer reviewed by unbiased parties (i.e. Universities & ARS)
- The entire production system needs to be considered
- If regulations are required for CAFO’s, all agriculture should have same regulations