BVD- the programme

National BVD Eradication Information Night

November 2012

Joe O’Flaherty (MVB)
CEO, AHI
## Benefits and Costs

<table>
<thead>
<tr>
<th>ANNUAL losses BVD (€m)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suckler</td>
<td>27</td>
</tr>
<tr>
<td>Dairy</td>
<td>55</td>
</tr>
<tr>
<td>Beef</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>102</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL eradication costs (6yr) (€m)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suckler</td>
<td>31</td>
</tr>
<tr>
<td>Dairy</td>
<td>23</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>54</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(ANNUAL losses/ANNUAL costs)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suckler</td>
<td>5</td>
</tr>
<tr>
<td>Dairy</td>
<td>14</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>
Benefits of BVD eradication

- Improved fertility
- Healthier calves
- Better milk yield and weight gain
- Reduced drug and veterinary bills
- Underpinning live trade
Programme overview

Order tissue sample tags

Tag calves and submit ear punch to lab

ICBF database (Vet) Farmer

Positive

Testing to remove further PIs

Negative

Mart boards Sale declarations

Years 1-3

Surveillance phase Years 4-6

Results
2012- voluntary phase

- ~600,000 tags ordered
- ~10,000 herds
- Initial test results (pos, neg, inc, empty)
  - 0.61% positive
  - 0.02% inconclusive
  - 0.44% empty
  - 98.93% negative
- ~15% of herds positive
BVD Order (2012) - Summary

Tag calves born on or after 01/01/13 using the modified official ID tag.

Submit the tissue tags to a designated lab.

Await the results and act on any further instructions you may receive.

Don’t sell any animal born after 01/01/13 unless you have a negative BVD test result for it.
Bovine viral diarrhoea Order (2012)

**REQUIREMENT 1**

– Tissue tag all calves born after 01.01.13 (including stillbirths and abortions) within 20 days of age (as soon as possible after birth)

– Submit samples to a designated laboratory for testing within a defined period (7 days)

– All imports born after 01.01.13 to be tested within 20 days of arrival
Tissue sample tags

**IMPORTANT NOTICE TO KEEPERS OF BOVINE ANIMALS**

**TAG DISTRIBUTION 2013**

By law all cattle must be tagged in their place of origin within 24 hours of birth. Each tag is unique. A minimum of one tag per animal must be applied. Details must be recorded on the Tagging Record and forwarded to the Department of Agriculture for they to be available for inspection. All tags must be legible and unaltered. Any tag deemed to be invalid or not in compliance with the Tagging Principles must be replaced.

It is the responsibility of the person holding or in charge of the animal to ensure that all tags are in place and legible. If any tags are found to be missing or illegible, a fine will be imposed.

**TAG ORDER FORM**

<table>
<thead>
<tr>
<th>Official Tag Order Form</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1 Required</strong></td>
</tr>
<tr>
<td><strong>1 Required</strong></td>
</tr>
</tbody>
</table>

- **Card Holder’s Name:**
- **Card Number:**
- **Card Expiry Date:**

**SIGN HERE:**

**DATE HERE:**

For more information and to order tags, please contact the Department of Agriculture.
Supplementary (button) tags

Order Form for Supplementary Tissue Button Tags

<table>
<thead>
<tr>
<th>No.</th>
<th>Tag Number</th>
<th>No.</th>
<th>Tag Number</th>
<th>No.</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>2</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>3</td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>4</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>5</td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>6</td>
<td></td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>7</td>
<td></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>8</td>
<td></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>9</td>
<td></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>10</td>
<td></td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>11</td>
<td></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>12</td>
<td></td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>13</td>
<td></td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>14</td>
<td></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>15</td>
<td></td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>16</td>
<td></td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>17</td>
<td></td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td>18</td>
<td></td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
<td>19</td>
<td></td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
<td>20</td>
<td></td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

Supplementary Button Tissue Tags

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Cost: __________

Method of Payment: __________

Signed: __________

Date: __________

Mobile: __________

By signing this order, the buyer agrees to comply with the Department of Agriculture. In case of failure to comply, AHI reserves the right to cancel the order and retain the deposit.
Submission of samples

- Tags inside a plastic bag
  - Initial supply with tag delivery
- Inside sturdy envelope
- Label
  - “BVD tag test- Exempt Animal Specimen”
  - Herd number
- Enclose payment- unless alternative in place e.g.
  - Co-operative
  - Pre-paid with lab
  - Submitted through veterinary practice
Designated laboratories

- Advanced Micro Services Ltd: Cork, Tipperary
- Agri-food and Biosciences Institute: Belfast
- Biobest: Edinburgh
- Enfer Labs: Kildare
- En-force Laboratories: Cork
- FBA Laboratories Ltd Waterford
- Irish Equine Centre: Kildare
- National Milk Laboratories Ltd: c/o iML Cavan
- Oldcastle Laboratories: Meath
Virus Negative

D3621051X - BVD Lab Results
Recipient Virus Negative
Tags: 1-0524, 2-0525, 3-0526, 4-0527
Option to re-test

- Allowed by legislation
- To confirm that a calf with an initial positive result is PI rather than TI
  - Blood sample (no laboratory fee, VLS)
  - or button tag
  - DNA matching
- After an interval of 3-4 weeks
  - Allow TI calf to develop immunity and become virus negative
Sampling soon after birth

Test results:

- - - +

NEG NEG PI
Sampling the older calf

Test results:

TI

TI

PI
Confirmatory testing (3-4 weeks later)

Test results:

- - - +

NEG NEG PI
Bovine viral diarrhoea Order (2012)

REQUIREMENT 2

– Re-test if initial ear punch is unsuitable for testing (e.g. Empty result)
  • Blood sample or supplementary tag
Bovine viral diarrhoea Order (2012)

REQUIREMENT 3

– Notification of additional testing following a positive result
  • Dam
    • 2012: ~10% PI, ~90% TI
  • Offspring (if dam positive)
  • May be located in other herds
REQUIREMENT 4

– Cattle born after 01.01.13 or notified (DAMPI, OFFPI) require test negative result to move except:
  • Disposal as animal by-product
  • Slaughter
  • Ministerial permit

– Managed via compliance certificate
Bovine viral diarrhoea Order (2012)

REQUIREMENT 5

Display of test results on mart display board
Welcome to Animal Health Ireland

26 Sep 2012 - AIH and Animal Health and Welfare NI sign Memorandum of Understanding

26/09/12 AIH and Animal Health and Welfare NI (AHWIN) signed a Memorandum of Understanding at the National Ploughing Championship this week. The Memorandum paves the way for close collaboration between the two organisations which have a similar structure and remit. Commenting... more>

26 Sep 2012 - National Compulsory BVD Eradication Programme announced at the Ploughing Championships

26/09/12 Details of the National Compulsory BVD Eradication Programme were announced today at the National Ploughing Championships in New Ross. Legislation is being introduced to support the programme and under this legislation, there will be a requirement to test all calves... more>

Website resources
www.animalhealthireland.ie
BVD Order (2012) - Summary

Tag calves born on or after 01/01/13 using the modified official ID tag.

Submit the tissue tags to a designated lab.

Await the results and act on any further instructions you may receive.

Don’t sell any animal born after 01/01/13 unless you have a negative BVD test result for it.