



## **STANDARD BRED DIET SURVEY**

This detailed questionnaire has been designed by the Australian Harness Racing Council to survey the variety of feeds, commercial feed mixes and supplements used by trainers of Standardbred horses throughout Australia.

Studies have revealed that the amount and type of alkaline substances contained in the feed ingredients, electrolyte mixes and alkalinising (blood buffers) supplements may have an influence on the blood levels of alkaline or bicarbonate (i.e. total plasma carbon dioxide concentration) in racing horses.

In order to fully assess the influence of feeds and the wide variety of supplements that are available to trainers of Standardbred horses, we ask you to complete the detailed questionnaire below as accurately as possible.

You are not required to identify your participation by adding your name to the questionnaire and all data provided will be treated in strict confidence by the AHRC. Each individual questionnaire will not be published in any way or given to commercial feed companies for marketing purposes. However, general summary information will be published on the National Website and provided to State Controlling Bodies after the review for the industry's information.

### **BRIEF PROFILE INFORMATION (Please complete)**

Number of Horses in Training.....Spelling.....

At which racetrack do you mainly race your horses?

.....

Regional area.....State.....

Date Questionnaire Completed.....

**Note: To provide accurate details of the amounts of feed or supplements you are using, please state measures in mL (ccs), grams, or tablespoons. Cups or 'dippers' vary in volume and hence weight measured.**

Thank you for your valuable assistance in this important survey. The questionnaire's format has been designed to assist you completing it. The information required is very important so please COMPLETE and RETURN IT TO AHRC in the Reply Paid Envelope provided by 1<sup>st</sup> January 2001.

Rod Pollock  
Chief Executive

### Section I - Grain/Energy Concentrates

#### Section 1.1 - Raw Grains

What type of grain / energy concentrate do you feed your horses daily when in full race training?

##### Q.1 Whole / Crushed Oats

- 0 < 1 kg     1                      1 < 2 kg     2                      2 < 3 kg             3
- 3 < 4 kg     4                      4 < 5 kg     5                      More than 5 kg     6

##### Q.2 Rolled / Flaked Barley

- 0 < 1 kg                       1                      1 < 2 kg     2                      2 < 3 kg             3
- More than 3 kg             4

##### Q.3 Boiled Barley

- 0 < 1 kg                       1                      1 < 2 kg     2                      More than 2 kg     3

##### Q.4 Whole / Cracked Corn

- 0 < 1 kg                       1                      1 < 2 kg     2                      More than 2 kg     3

##### Q.5 Cracked Sorghum

- 0 < 1 kg                       1                      1 < 2 kg     2                      2 < 3 kg             3
- More than 3 kg             4

#### Section 1.2 - Commercial Ready-to-Feed Sweet Feeds

Q.6 Are you using a commercial ready-to-feed sweet feed? eg Pryde’s Easifeed Phase Three™, Mitavite Sustaina™, Coprice™ pellets, Stablemaster Energise Plus™, HyGain Tracktorque™.

- Yes             1                                      No             2

Q.7 If you answered YES to Q.6 please list up to three Commercial Ready-to-Feed Sweet Feed products that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. .... (insert brand name, eg Coprice™)

- 0 < 1 kg     1                      1 < 2 kg     2                      2 < 3 kg             3
- 3 < 4 kg     4                      4 < 5 kg     5                      More than 5 kg     6

Product 2. ....(insert brand name, eg Coprice™)

- 0 < 1 kg     1                      1 < 2 kg     2                      2 < 3 kg         3
- 3 < 4 kg     4                      4 < 5 kg     5                      More than 5 kg     6

Product 3. ....(insert brand name, eg Coprice™)

- 0 < 1 kg     1                      1 < 2 kg     2                      2 < 3 kg         3
- 3 < 4 kg     4                      4 < 5 kg     5                      More than 5 kg     6

**Section 2 - Protein Feeds**

Q.8 Are you using a Protein Feed? eg Soyabean Meal, Cracked Lupins, Sunflower Seeds, Livamol™.

- Yes         1                      No         2

Q.9 If you answered YES to Q.8 please list up to three Protein Feeds that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. ....(insert product name, eg Soyabean Meal)

- 0 < 200g     1                      200 < 400g     2                      400 < 600g         3
- 600 < 800g     4                      More than 800g     5

Product 2. ....(insert product name, eg Soyabean Meal)

- 0 < 200g     1                      200 < 400g     2                      400 < 600g         3
- 600 < 800g     4                      More than 800g     5

Product 3. ....(insert product name, eg Soyabean Meal)

- 0 < 200g     1                      200 < 400g     2                      400 < 600g         3
- 600 < 800g     4                      More than 800g     5

**Section 3 - Chaff / Bulking Feeds**

Q.10 Are you using a Chaff / Bulking Feed? eg Oaten / Wheaten Chaff, Lucerne Chaff, Bran (wheat), Bran (rice).

Yes  1 No  2

Q.11 If you answered YES to Q.10 please list up to three Chaff / Bulking Feed that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. ....(insert product name, eg Oaten / Wheaten Chaff)

0 < 500g  1 500g < 1kg  2 1kg < 1.5kg  3
1.5kg < 2kg  4 More than 2kg  5

Product 2. ....(insert product name, eg Oaten / Wheaten Chaff)

0 < 500g  1 500g < 1kg  2 1kg < 1.5kg  3
1.5kg < 2kg  4 More than 2kg  5

Product 3. ....(insert product name, eg Oaten / Wheaten Chaff)

0 < 500g  1 500g < 1kg  2 1kg < 1.5kg  3
1.5kg < 2kg  4 More than 2kg  5

Section 4 - Hay or Long Stem Roughage

Q.12 Are you using a Hay or Long Stem Roughage? eg Oaten Hay, Meadow Hay, Clover Hay, Lucerne Hay.

Yes  1 No  2

Q.13 If you answered YES to Q.12 please list up to three Hay or Long Stem Roughage Feeds that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. ....(insert product name, eg Lucerne Hay)

1kg < 2kg  1 2kg < 3kg  2 3kg < 4kg  3
4kg < 5kg  4 More than 5kg  5

Product 2. ....(insert product name, eg Lucerne Hay)

1kg < 2kg  1      2kg < 3kg  2      3kg < 4kg  3  
 4kg < 5kg  4      More than 5kg  5

Product 3. ....(insert product name, eg Lucerne Hay)

1kg < 2kg  1      2kg < 3kg  2      3kg < 4kg  3  
 4kg < 5kg  4      More than 5kg  5

### Section 5 - Supplements

#### Section 5.1 - General Vitamin and Mineral Supplements

Q.14 Do you routinely (ie every day) use a General Vitamin and Mineral Supplement? eg Feramo-H with Chromium™, Kelatovit Racing Formula™, Hossamin-R™, Vitam Concentrate™.

Yes  1      No  2

Q.15 If you answered YES to Q.14 please list up to three General Vitamin and Mineral Supplements that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. ....(insert product name, eg Feramo-H™)

0 < 50g  1      50g < 100g  2      100g < 150g  3  
 More than 50g  4

Product 2. ....(insert product name, eg Feramo-H™)

0 < 50g  1      50g < 100g  2      100g < 150g  3  
 More than 50g  4

Product 3. ....(insert product name, eg Feramo-H™)

0 < 50g  1      50g < 100g  2      100g < 150g  3  
 More than 50g  4

#### Section 5.2 - Calcium and Mineral Supplements

Q.16 Do you routinely (ie every day) use a Calcium and Mineral Supplement? eg Folactin Blue™, Calplus™, Calciplex™, Minavit™, Limestone, Dolomite.

Yes  1 No  2

Q.17 If you answered YES to Q.16 please list up to three Calcium and Mineral Supplements that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. ....(insert product name, eg Folactin Blue™)

0 < 30g  1 30g < 60g  2 60g < 90g  3  
90g < 120g  4 More than 120g  5

Product 2. ....(insert product name, eg Folactin Blue™)

0 < 30g  1 30g < 60g  2 60g < 90g  3  
90g < 120g  4 More than 120g  5

Product 3. ....(insert product name, eg Folactin Blue™)

0 < 30g  1 30g < 60g  2 60g < 90g  3  
90g < 120g  4 More than 120g  5

### Section 5.3 - Iron and Iron / Vitamin Supplements

Q.18 Do you routinely (ie every day) use an Iron and Iron / Vitamin Supplement? eg Ironvita™, Ironcyclen™, Ironcyl™, Inca 3-iron™, FBC Blood Food™, Megablud™.

Yes  1 No  2

Q.19 If you answered YES to Q.18 please list up to three Iron and Iron / Vitamin Supplements that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. ....(insert product name, eg Ironvita™)

0 < 30ml / g  1                      30ml / g < 60ml / g  2  
60ml / g < 90ml /g  3                      More than 90ml / g  4

Product 2. ....(insert product name, eg Ironvita™)

0 < 30ml / g  1                      30ml / g < 60ml / g  2  
60ml / g < 90ml /g  3                      More than 90ml / g  4

Product 3. ....(insert product name, eg Ironvita™)

0 < 30ml / g  1                      30ml / g < 60ml / g  2  
60ml / g < 90ml /g  3                      More than 90ml / g  4

**Section 5.4 - Vitamin Supplements - Vitamin E, B Group Vitamins, Vitamin C**

Q.20 Do you routinely (ie every day) use a Vitamin Supplement - Vitamin E, B Group Vitamins, Vitamin C? eg White E™, Show-E™, Thiasal-E™, Vita Liquid™, Equipharm Vite-B paste™.

Yes  1                      No  2

Q.21 If you answered YES to Q.20 please list up to three Vitamin E, B Group Vitamins, Vitamin C Supplements that you use and indicate the quantities you feed your horses daily when in full race training.

Product 1. ....(insert product name, eg White E™)

0 < 30ml or g  1                      30ml or g < 60ml or g  2

Product 2. ....(insert product name, eg White E™)

0 < 30ml or g  1                      30ml or g < 60ml or g  2

Product 3. ....(insert product name, eg White E™)

0 < 30ml or g  1                      30ml or g < 60ml or g  2

**Section 5.5 - Electrolyte Replacers**

*Q.22 Do you routinely (ie every day) use an Electrolyte Replacer? eg Salt, Epsom Salts, Salkavite™, Humidimix™, Humilyte™, RWR Neutral Salts™, Electromix™, Recharge™.*

Yes  1                      No  2

*Q.23 If you answered YES to Q.22 please list up to three Electrolyte Replacers that you use and indicate the quantities you feed your horses daily when in full race training.*

Product 1. ....(insert product name, eg Salt)

0 < 30g  1                      30g < 60g  2  
60g < 90g  3                      More than 90g  4

Product 2. ....(insert product name, eg Salt)

0 < 30g  1                      30g < 60g  2  
60g < 90g  3                      More than 90g  4

Product 3. ....(insert product name, eg Salt)

0 < 30g  1                      30g < 60g  2  
60g < 90g  3                      More than 90g  4

**Section 5.6 - Alkaline / Buffering Supplements (Daily Use)**

***NB This section must be answered, including doses, as these supplements will contribute directly to elevated plasma carbon dioxide readings.***

*Q.24 Do you routinely (ie every day) use an Alkaline / Buffering Supplement? eg Sodium Bicarbonate, Sodium Sulfate, Potassium Citrate, Sodium Citrate, ‘Tris’ Buffer.*

Yes  1                      No  2



If you answered YES to Q.24 please indicate the quantities you feed your horses daily when in full race training for each product.

**Q.25 Sodium Bicarbonate**

0 < 30g	<input type="checkbox"/> 1	30g < 60g	<input type="checkbox"/> 2	60g < 90g	<input type="checkbox"/> 3
90g < 120g	<input type="checkbox"/> 4	More than 120g	<input type="checkbox"/> 5		

**Q.26 Sodium Sulfate**

0 < 30g	<input type="checkbox"/> 1	30g < 60g	<input type="checkbox"/> 2	60g < 90g	<input type="checkbox"/> 3
90g < 120g	<input type="checkbox"/> 4	More than 120g	<input type="checkbox"/> 5		

**Q.27 Potassium Citrate**

0 < 30g	<input type="checkbox"/> 1	30g < 60g	<input type="checkbox"/> 2	60g < 90g	<input type="checkbox"/> 3
90g < 120g	<input type="checkbox"/> 4	More than 120g	<input type="checkbox"/> 5		

**Q.28 Sodium Citrate**

0 < 30g	<input type="checkbox"/> 1	30g < 60g	<input type="checkbox"/> 2	60g < 90g	<input type="checkbox"/> 3
90g < 120g	<input type="checkbox"/> 4	More than 120g	<input type="checkbox"/> 5		

**Q.29 'Tris' Buffer**

0 < 30g	<input type="checkbox"/> 1	30g < 60g	<input type="checkbox"/> 2	60g < 90g	<input type="checkbox"/> 3
90g < 120g	<input type="checkbox"/> 4	More than 120g	<input type="checkbox"/> 5		

**Section 5.7 - Alkaline / Buffering Supplements (pre-race)**

**Q.30 Do you give a dose of an Alkaline / Buffering Supplement PRIOR TO RACING?**

Yes  1                      No  2

If you answered YES to Q.30 please indicate (a) the quantities you feed your horses prior to racing and (b) when you administer the dose.

*Q.31 Sodium Bicarbonate*

*(a) Quantity*

0 < 30g       1      30g < 60g       2      60g < 90g       3  
 90g < 120g       4      More than 120g       5

*(b) Time administered*

0 < 1 hrs pre-race       1      1 < 2 hrs pre-race       2      2 < 3 hrs pre-race       3  
 3 < 4 hrs pre-race       3      4 < 6 hrs pre-race       4      6 < 10 hrs pre-race       6  
 More than 10 hrs pre-race       7

*Q.32 Sodium Sulfate*

*(a) Quantity*

0 < 30g       1      30g < 60g       2      60g < 90g       3  
 90g < 120g       4      More than 120g       5

*(b) Time administered*

0 < 1 hrs pre-race       1      1 < 2 hrs pre-race       2      2 < 3 hrs pre-race       3  
 3 < 4 hrs pre-race       3      4 < 6 hrs pre-race       4      6 < 10 hrs pre-race       6  
 More than 10 hrs pre-race       7

*Q.33 Potassium Citrate*

*(a) Quantity*

0 < 30g       1      30g < 60g       2      60g < 90g       3  
 90g < 120g       4      More than 120g       5

*(b) Time administered*

0 < 1 hrs pre-race       1      1 < 2 hrs pre-race       2      2 < 3 hrs pre-race       3  
 3 < 4 hrs pre-race       3      4 < 6 hrs pre-race       4      6 < 10 hrs pre-race       6  
 More than 10 hrs pre-race       7

**Q.34 Sodium Citrate**

*(a) Quantity*

- 0 < 30g       1      30g < 60g       2      60g < 90g       3  
 90g < 120g       4      More than 120g       5

*(b) Time administered*

- 0 < 1 hrs pre-race       1      1 < 2 hrs pre-race       2      2 < 3 hrs pre-race       3  
 3 < 4 hrs pre-race       3      4 < 6 hrs pre-race       4      6 < 10 hrs pre-race       6  
 More than 10 hrs pre-race       7

**Q.35 ‘Tris’ Buffer**

*(a) Quantity*

- 0 < 30g       1      30g < 60g       2      60g < 90g       3  
 90g < 120g       4      More than 120g       5

*(b) Time administered*

- 0 < 1 hrs pre-race       1      1 < 2 hrs pre-race       2      2 < 3 hrs pre-race       3  
 3 < 4 hrs pre-race       3      4 < 6 hrs pre-race       4      6 < 10 hrs pre-race       6  
 More than 10 hrs pre-race       7

**Section 5.8 - Commercial Kidney Tonics and Muscle / Blood Buffers (Daily Use)**

*Q.36 Do you routinely (ie every day) use a Commercial Kidney Tonic and Muscle / Blood Buffer? eg Neutrolene™, Neutradex™, Nutrasyrup™, Baladene™, BVR Untie™, KA Mixture™.*

- Yes       1      No       2

*Q.37 If you answered YES to Q.36 please list up to three Commercial Kidney Tonic and Muscle / Blood Buffers that you use and indicate the quantities you feed your horses daily when in full race training.*

Product 1. ....(insert product name, eg Neutrolene™)

- 0 < 30ml / g       1      30ml / g < 60ml / g       2  
 60ml / g < 90ml / g       3      More than 90ml / g       4

Product 2. ....(insert product name, eg Neutrolene™)

0 < 30ml / g       1      30ml / g < 60ml / g       2  
 60ml / g < 90ml / g       3      More than 90ml / g       4

Product 3. ....(insert product name, eg Neutrolene™)

0 < 30ml / g       1      30ml / g < 60ml / g       2  
 60ml / g < 90ml / g       3      More than 90ml / g       4

**Section 5.9 - Commercial Kidney Tonics and Muscle / Blood Buffers (pre-race)**

Q.38 Do you give a dose of a Commercial Kidney Tonic and Muscle / Blood Buffer prior to racing?

Yes       1      No       2

Q.39 If you answered YES to Q.38 please indicate (a) up to three products, (b) the quantities you feed your horses prior to racing and (c) when you administer the dose.

Product 1 .....(insert product name, eg Neutrolene™)

(a) Quantity

0 < 30ml / g       1      30 ml / g < 60 ml / g       2      60 ml / g < 90 ml / g       3  
 More than 90 ml / g       4

(b) Time administered

0 < 1 hrs pre-race       1      1 < 2 hrs pre-race       2      2 < 3 hrs pre-race       3  
 3 < 4 hrs pre-race       3      4 < 6 hrs pre-race       4      6 < 10 hrs pre-race       6  
 More than 10 hrs pre-race       7

Product 2 .....(insert product name, eg Neutrolene™)

(a) Quantity

0 < 30ml / g       1      30 ml / g < 60 ml / g       2      60 ml / g < 90 ml / g       3  
 More than 90 ml / g       4

*(b) Time administered*

- 0 < 1 hrs pre-race  1      1 < 2 hrs pre-race  2      2 < 3 hrs pre-race  3  
 3 < 4 hrs pre-race  3      4 < 6 hrs pre-race  4      6 < 10 hrs pre-race  6  
 More than 10 hrs pre-race  7

Product 3 .....(insert product name, eg Neutrolene™)

*(a) Quantity*

- 0 < 30ml / g  1      30 ml / g < 60 ml / g  2      60 ml / g < 90 ml / g  3  
 More than 90 ml / g  4

*(b) Time administered*

- 0 < 1 hrs pre-race  1      1 < 2 hrs pre-race  2      2 < 3 hrs pre-race  3  
 3 < 4 hrs pre-race  3      4 < 6 hrs pre-race  4      6 < 10 hrs pre-race  6  
 More than 10 hrs pre-race  7

**Section 5.10 - Saline or Electrolyte Replacement Drenches (POST RACE)**

Q.40 Do you give a saline or electrolyte drench by nose tube after racing?

- Yes  1      No  2

Q.41 If you answered YES to Q.40 please specify (a) the compound used and (b) when you administer the dose.

Product 1 .....(insert product name)

*Time administered*

- 0 < 24 hrs post-race  1      24 < 48 hrs post-race  2  
 More than 48 hrs post-race  3

Product 2 .....(insert product name)

*Time administered*

- 0 < 24 hrs post-race  1      24 < 48 hrs post-race  2  
 More than 48 hrs post-race  3

Product 3 .....(insert product name)

*Time administered*

- 0 < 24 hrs post-race            1      24 < 48 hrs post-race            2
- More than 48 hrs post-race       3

**Section 5.11 - Pre-race Drips into the Vein**

*Q.42 Do you routinely give a saline drip into the vein prior to racing?*

- Yes            1                      No            2

*Q.43 If you answered YES to Q.42 please specify (a) up to three compounds used, eg Normal Saline, Hartmans Solution™, Darrows Solution™, Ranvet Lang’s Solution™, P-54 Saline™ and (b) when you administer the dose.*

*Product 1 .....(insert product name)*

*Time administered*

- 0 < 4 hrs pre-race            1      4 < 8 hrs pre-race            2
- 8 < 12 hrs pre-race            3      More than 12 hrs pre-race            4

*Product 2 .....(insert product name)*

*Time administered*

- 0 < 4 hrs pre-race            1      4 < 8 hrs pre-race            2
- 8 < 12 hrs pre-race            3      More than 12 hrs pre-race            4

*Product 3 .....(insert product name)*

*Time administered*

- 0 < 4 hrs pre-race            1      4 < 8 hrs pre-race            2
- 8 < 12 hrs pre-race            3      More than 12 hrs pre-race            4

**Section 5.12 - Withdrawal of Water Prior to Racing**

Q.44 Do you withdraw/withhold water from your horses prior to racing?

Yes  1                      No  2

Q.45 If you answered YES to Q.44 please specify when you withdraw water from your horses stables.

Time withdrawn

0 < 2 hrs pre-race  1                      2 < 4 hrs pre-race  2  
4 < 6 hrs pre-race  3                      6 < 8 hrs pre-race  4  
More than 8 hrs pre-race  5

**Section 5.13 – Other Feeding and Training Practices**

Q.46 You may use other daily feed additives or pre-race supplements that are not included in the questions above.

In some circumstances their use may contribute to elevated plasma carbon dioxide readings. If you are concerned that these may be linked to elevated readings in your horses, please specify the supplement, its dose and time given prior to racing.

Supplement.....(specify name)

Dose Rate.....ml/g

Time administered.....hours prior to racing.

Q.47. Some trainers consider that the type of training method they use may influence the plasma carbon dioxide readings in their horses. If you have any opinions or concerns that long slow jogging, for example, may influence the readings, please briefly summarise them below.

.....  
.....  
.....  
.....  
.....

**Section 6 – Geographic Location**

Q.48 What is your postcode.

**THANK YOU FOR COMPLETING THIS IMPORTANT SURVEY**