# ADDENDUM A:

## QUANTITATIVE DESCRIPTIVE ANALYSIS, SENSORY EVALUATION FORM

Sensory evaluation of sweet potatoes  
2 – 8 June 2006

<table>
<thead>
<tr>
<th>Name:</th>
<th>Date:</th>
<th>Code:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>AROMA</th>
<th>None</th>
<th>Hint</th>
<th>Slight</th>
<th>Weak</th>
<th>Moderate</th>
<th>High</th>
<th>Very High</th>
<th>Extremely</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earthy</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Sweet potato</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Burn</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>TEXTURE</th>
<th>None</th>
<th>Hint</th>
<th>Slight</th>
<th>Weak</th>
<th>Moderate</th>
<th>High</th>
<th>Very High</th>
<th>Extremely</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial impression: squeeze sweet potato between fingers, holding it on the skin side</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moistness (visible on surface)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Firm (retain shape)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>First bite</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Denseness</td>
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<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Moistness</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Mastication</td>
<td>Fibres (with fork)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Adhesive (pasty)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Grainy (tongue on palate)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FLAVOUR</th>
<th>None</th>
<th>Hint</th>
<th>Slight</th>
<th>Weak</th>
<th>Moderate</th>
<th>High</th>
<th>Very High</th>
<th>Extremely</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetable sweet</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Sweet potato</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Yellow vegetables</td>
<td>butternut/pumpkin/carrot</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AFTER-TASTE</th>
<th>None</th>
<th>Hint</th>
<th>Slight</th>
<th>Weak</th>
<th>Moderate</th>
<th>High</th>
<th>Very High</th>
<th>Extremely</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetable sweet</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

Comments: 

______________________________________________________________

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120
ADDENDUM B: CONSUMER QUESTIONNAIRE

Evaluation form for sweet potatoes.                      Date:............................

Name:........................................................................................................... Age:............................

Which town do you live in?.................................................................

<table>
<thead>
<tr>
<th>Income</th>
<th>1000 - 2500</th>
<th>2500 - 4000</th>
<th>4000 - 6000</th>
<th>6000 +</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ the appropriate block</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. COLOUR: Do you like the colour of the orange-fleshed sweet potato?

Place a ✓ in box in the appropriate block.

Like a lot  Like a little  Neither like nor dislike  Dislike a little  Dislike a lot

2. TASTE: Please taste the product on the left first. You must taste both products. Which one do you prefer? Please choose one. Place a ✓ in the box above the number you prefer.

471  863

3. PURCHASE INTENT: Will you buy the orange-fleshed sweet potato?

Please ✓ appropriate block

Yes  No

Thank you for participating
ADDENDUM C: PHOTO GALLERY

Cultivars tested

Kano

Resisto
Sample preparation for Instron
Instron is used to measure shear force of sweet potatoes.
Panel training, sample preparation and serving of sweet potatoes for sensory evaluation.
OFSP at ARC-Roodeplaat