Released and Recommended New Crop Varieties
by the Varietal Release Committee
of the Department of Agriculture
Sri Lanka

05th December 2013

Editor
Amitha P. Bentota

Department of Agriculture
Ministry of Agriculture
Peradeniya
Sri Lanka
2013
Fifty six years ago in 1958, the first rice variety, H4 was released by the Department of Agriculture (DOA). This landmark event put forward the issue of achieving self-sufficiency in rice with 76 released rice varieties from DOA in time to time. Similarly the many other agricultural crops were also released from the DOA and contributed for sustainable agricultural development backed by the other appropriate technologies.

Despite the remarkable achievements made during the past on sustainable crop production through the varieties, depletion of natural resources, imbalances of food security, poverty, energy, water and climate change are yet to be resolved. The present theme on ‘White Revolution’ in DOA is to go beyond green revolution. The theme is supported to Continues Production Similar to Cultivation in White Polytunnel, Clean white Environmental friendly Agriculture, White Collar Job for younger Generation and the varieties released by Varietal Release Committee 2013 will be contributed for this theme with “True Sri Lanka Taste”.

The release of quality Protein Maize (QPM) hybrid in Variety Release Committee 2013 is an attempt not only to food security but also nutritional security in the country. Release of first ever anthurium varieties is another turning point to cater for floriculture industry in the country. The rice variety, At 309 released in this meeting also the first variety released for value addition to rice industry for production of rice biscuit.

I take this opportunity to express my sincere gratitude to all the stakeholder officials, other institutions and all other partners for playing their role and providing valuable contribution to develop and release those varieties.

The book on “Released and Recommended New crop varieties for 2013” would provide essential technical information for several target groups of the DOA and other institutes for further dissemination of the findings.

I acknowledge the secretary of the Varietal Released Committee of DOA, Dr. Mrs. Amitha P. Bentota, for her utmost contribution on making all the arrangements for conducting a successful meeting and effort for publication of this book.

Dr. Rohan Wijekoon,
Director General of Agriculture,
Department of Agriculture,
Peradeniya
Preface

Varietal release committee meeting in the Department of Agriculture (DOA) is conducted annually, providing opportunity for researchers to nominate their candidate varieties for seeking approval to release or recommend for cultivation in the country. The book on “Released and Recommended new Crop Varieties for 2013” compiled 15 different varieties of 9 crops.

I wish to avail my sincere thanks to all the researchers who contributed to develop those varieties in different capacities with gratitude. Further, the effort of Extension and Training and Seed Certification Division of DOA should greatly appreciate. May I also thank the technical committee of VRC 2013 of the DOA and appreciate their services provided during the period to identify the potential nominations for VRC 2013.

The scientific comments made by participants during the VRC meeting were very useful in assessing the decisions of releasing or recommending the nominations. The valuable services rendered by Additional Director (Communication) and the staff of Audio Visual Centre as well as Deputy Director (Communication) and the staff of DOA press for completing this publication in an attractive manner is greatly appreciated.

Dr (Mrs) Amitha P. Bentota, Additional Director
Secretary to the Varietal Release Committee
Department of Agriculture
Sri Lanka
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>page</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Rice - Bg 370</td>
<td>01</td>
</tr>
<tr>
<td>02.</td>
<td>Rice - Bw 372</td>
<td>05</td>
</tr>
<tr>
<td>03.</td>
<td>Rice - At 309</td>
<td>11</td>
</tr>
<tr>
<td>04.</td>
<td>Rice - Ld 371</td>
<td>17</td>
</tr>
<tr>
<td>05.</td>
<td>Maize - MI Hybrid Maize 01</td>
<td>23</td>
</tr>
<tr>
<td>06.</td>
<td>Soybean - MISB 1</td>
<td>27</td>
</tr>
<tr>
<td>07.</td>
<td>Pole bean - Gannoruwa Bil</td>
<td>31</td>
</tr>
<tr>
<td>08.</td>
<td>Luffa - Gannoruwa Ari</td>
<td>35</td>
</tr>
<tr>
<td>09.</td>
<td>Cucumber - Gannoruwa White</td>
<td>39</td>
</tr>
<tr>
<td>10.</td>
<td>Thampala - Gannorwa Thampala</td>
<td>43</td>
</tr>
<tr>
<td>11.</td>
<td>Anthurium - Lanka Beauty</td>
<td>47</td>
</tr>
<tr>
<td>12.</td>
<td>Anthurium - Lanka Kumari</td>
<td>49</td>
</tr>
<tr>
<td>13.</td>
<td>Mandarin - Horana Ehime 1</td>
<td>51</td>
</tr>
<tr>
<td>14.</td>
<td>Mandarin - Horana Ehime 2</td>
<td>55</td>
</tr>
<tr>
<td>15.</td>
<td>Mandarin - Horana Ehime 3</td>
<td>59</td>
</tr>
<tr>
<td>16.</td>
<td>Varietal Release Technical Committee</td>
<td>62</td>
</tr>
<tr>
<td>17.</td>
<td>List of Participants</td>
<td>63</td>
</tr>
</tbody>
</table>
### Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RRDI</td>
<td>Rice Research and Development Institute</td>
</tr>
<tr>
<td>FCRDI</td>
<td>Field Crop Research and Development Institute</td>
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<tr>
<td>HORDI</td>
<td>Horticulture Research and Development Institute</td>
</tr>
<tr>
<td>MI</td>
<td>Mahailluppallama</td>
</tr>
<tr>
<td>R</td>
<td>Resistant</td>
</tr>
<tr>
<td>MR</td>
<td>Moderately Resistant</td>
</tr>
<tr>
<td>MS</td>
<td>Moderately Susceptible</td>
</tr>
<tr>
<td>WC</td>
<td>White Centre</td>
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<td>DGA</td>
<td>Director General of Agriculture</td>
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<td>PD</td>
<td>Provincial Director</td>
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<tr>
<td>DDR</td>
<td>Deputy Director Research</td>
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<td>DDA</td>
<td>Deputy Director Agriculture</td>
</tr>
<tr>
<td>DDIP</td>
<td>Deputy Director Inter Provincial</td>
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<td>ADA</td>
<td>Assistant Director of Agriculture</td>
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<td>ROIC</td>
<td>Research Officer In-Charge</td>
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<td>RO</td>
<td>Research Officer</td>
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<tr>
<td>AE</td>
<td>Agriculture Economist</td>
</tr>
<tr>
<td>AEA</td>
<td>Agriculture Economist Assistant</td>
</tr>
<tr>
<td>PA</td>
<td>Programme Assistant</td>
</tr>
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<td>AMO</td>
<td>Agriculture Monitoring Officer</td>
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<tr>
<td>AI</td>
<td>Agriculture Instructor</td>
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<tr>
<td>DUS</td>
<td>Distinct, Uniformity and Stability</td>
</tr>
<tr>
<td>NCRVT</td>
<td>National Co-ordinated Rice Varietal Testing</td>
</tr>
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<td>VAT</td>
<td>Varietal Adaptability Testing</td>
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<td>Large Scale Varietal Adaptability Testing</td>
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<td>FBS</td>
<td>Farm Broadcasting Service</td>
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<td>Extension and Training Division</td>
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<td>Food Research Unit</td>
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<td>Plant Genetic Resource Centre</td>
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<td>Socio Economic and Planning Centre</td>
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<td>Seed Certification Centre</td>
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<td>FRDI</td>
<td>Fruit Research and Development Institute</td>
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<td>PDOA</td>
<td>Provincial Department of Agriculture</td>
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<td>UOP</td>
<td>University of Peradeniya</td>
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</tbody>
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1. Rice

Bg 370

Released for general cultivation in the country
Background

Variety name: Bg 370
Line designation: Bg 3R
Pedigree: IR 555178/9-3R/ IR65515-47-2-1-98/IR 6551-47-2-1-91
Type of cultivar: Pure line
Origin: Developed through hybridization and selection at RRDI, Batalagoda

Yield t/ha
Potential recorded: 11.05 (VAT 2010 yala, Kumudugama, Ampara)

Average yield
Yala season: 7.60
Maha season: 5.35

Maturity (days)
Yala season: 101
Maha season: 98

Important traits
Culm Length (cm): 84.7 cm
Panicle Length (cm): 26.9 cm
Duration from sowing to 50 % flowering (days): 66
Grain Length (mm): 3.85
Grain Width (mm): 1.97
Apiculus colour: Straw
Shattering: Moderate
1000 grain weight (g): 14.4
Pericarp colour: White
Grain type: Short Round (samba)

Reaction to Diseases
Blast: MR
Bacterial Leaf Blight: MR/MS

Reaction to Incest pests
Gall midge: R/MR
Brown Plant Hopper: R/MR

Grain quality characteristics
Brown rice %: 79.3
Total milled rice %: 73.5
Head grain %: 70.7
White belly or center: WC 2-3
Gelatinization temperature (GT): Intermediate
Amylose content: High
Whiteness reading: 39.5
DUS report for candidate rice variety Bg 370

Candidate variety: Bg 3R
Variety name: Bg 3R
Pedigree: IR 55178-313-9-3R/IR 65515-47-2-1-9R/IR 65515-47-2-1-9R
Origin: Sri Lanka

Seedling
- Height (cm): 28.7
- Leaf sheath colour: Purple

Penultimate leaf
- Blade colour: Green
- Sheath colour: Purple
- Collar colour: Purple
- Blade pubescence: Glabrous
- Blade length (cm): 46.4
- Blade width (cm): 1.4
- Blade angle: Intermediate

Flag leaf
- Angle at flowering: Erect
- Angle at maturity: Erect
- Length (cm): 36.6
- Width (cm): 1.7
- Colour at harvest maturity: Yellowish green

Ligule
- Length (mm): 20
- Shape: 2 cleft
- Colour: Purple line present in the white background

Auricle
- Colour: Pale green

Culm
- Angle: Intermediate
- Height (cm): 73.3
- Diameter (mm): 5.6

Tillers
- No. per plant: 11
- No. of panicle bearing tillers: 11

Flowering
- Duration from sowing to 50% flowering (d): 68
- Sensitivity to day length: Insensitive

Internodes
- Colour: Green

Spikelet
- Stigma colour: Purple
- Apiculus colour: Purple
presence of awn : Absent
colour of awn : -
sterility : Fertile

Panicle
length (cm) : 25.6
no. of grains/panicle : 282
no. of filled grains/panicle : 218
panicle type : Intermediate
panicle exertion : Moderately well
secondary branching within panicle : Heavy
axis : straight

Grain
length (mm) : 5.9
width (mm) : 3.2
apiculus colour : Purple
colour of awn : -
shattering : Moderately
1000 grain weight (g) at 13% moisture content : 14.5

Grain (dehulled)
pericarp colour : White
length (mm) : 4.2
width (mm) : 2.3
shape : Semi round

Duration
for a transplanted crop (d) : 98

Senescence
leaf : Late & slow

Officers Responsible for Developing Variety

Name/Names of the breeders : Mr. S.W. Abeysekara - Director– (RRDI)
Name of the Cooperator(s) : Mr. S.N. Jayawardhana (Retired RO)
Dr. Nimal Dissanayaka (Former Director/RRDI/Pathologist)
Mr. D.N. Sirisena (Deputy Director/RRDI/Soil Scientist)
Dr. W.M.W. Weerakoon (Director/FCRDI/Agronomist)
Mr. K.G.P.B. Karunarathne (RO-Plant Breeding)

Program assistant(s) : Nirupa Dasanayaka (AI)
G.M. Gunawansa (AI)
Wasantha Jayasinghe (AI)
Gamini Wijethilaka (AI)
B.N. Wijerathna Banda (RSA)
2. Rice

Released for general cultivation in Low country Wet zone
Background

Variety name : Bw 372
Line designation : Bw 05-1621
Pedigree : Bg 359/Bw 267-3 sm
(Derived short mutant from Bw 267-3)
Type of cultivar : Inbred
Origin : Developed through hybridization &
selection at RRRDC, Bombuwela
Method of Propagation : By seeds

Yield (t/ha)
Potential Recorded : 7.68
Average
Yala season : 4.25
Maha season : 4.29

Maturity (days)
Yala season : 104
Maha season : 103

Important traits
Culm length (cm) : 77.4
Panicle length (cm) : 21.4
Grain length (mm) : 7.29
Grain Width (mm) : 2.85
1000 Grain weight (g) : 21.4
Grain type : Long medium
Lemma palea colour : Straw
Pericarp colour : Red

Reaction To Diseases
Blast : MR
Bacterial Leaf Blight : MR/MS
BPH : MR/MS
GM : R/MR

Reaction To Abiotic Stresses
Iron Toxicity : T

Insect Pest
Gall Midge : R/MR
Brown Plant Hopper : MR/MS

Quality Characteristics
Brown Rice Recovery (%) : 79.1
Milling recovery (%) : 73.0
Head rice recovery % : 72.1
White belly/center : WB-3
Amylose content : High
Gelatinization Temperature : High
DUS report for candidate rice variety Bw 372

Candidate variety : Bw 05-1621
Seasons tested : 2012/13 Maha, 2013 Yala
Test locations : Post-control field II, Gannoruwa

The candidate variety Bw 05-1621 was tested for distinctness, uniformity and stability by comparing with the recommended variety Bw 364 as the reference.

Distinctness
- Plant of candidate variety Bw 05-1621 is taller than the reference variety Bw 364
- Flowering duration of the candidate variety Bw 05-1621 is long by about 6 days compared to the reference variety Bw 364
- Although the candidate variety and reference variety have half spindle shaped grains, size of the grain is smaller in candidate variety Bw 05-1621 than the reference variety Bw 364

Uniformity and Stability
The candidate variety Bw 05-1621 is sufficiently uniform and stable for the characteristics given in the descriptor.

Seedling
- height (cm) : 25.95
- leaf sheath colour : Green

Penultimate leaf
- blade colour : Green
- sheath colour : Green
- collar colour : Pale green
- blade pubescence : Glabrous
- blade length (cm) : 39.97
- blade width (cm) : 1.30
- blade angle : Intermediate

Flag leaf
- angle at flowering : Erect
- angle at maturity :
- length (cm) : 26.60
- width (cm) :
- colour at harvest maturity :

Ligule
- length (mm) : 17.15
- shape : 2 cleft
- colour : White

Auricle
- colour : Pale green

Culm
- angle : Intermediate
- height (cm) : 77.40
- diameter (mm) : 5.40
Tillers
  no. per plant : 11.65
  no. of panicle bearing tillers : 11.60

Flowering
  duration from sowing to 50% flowering (d) : 84
  Sensitivity to day length : Insensitive

Internodes
  colour : Green

Spikelet
  stigma colour : White
  apiculus colour : Straw
  presence of awn : -
  colour of awn : -
  Sterility : Fertile

Panicle
  length (cm) : 21.40
  no. of grains/panicle : 237.75
  no. of filled grains/panicle : 220
  panicle type : Intermediate
  panicle exertion : Moderately well
  secondary branching within panicle : Heavy
  axis : Straight

Grain
  length (mm) : 7.25
  width (mm) : 2.85
  apiculus colour : Straw
  shattering : Moderate
  1000 grain weight (g) at 13% moisture content : 21.74

Grain (dehulled)
  pericarp colour : Red
  length (mm) : 5.22
  width (mm) : 2.25
  shape : Semi round

Duration
  for a transplanted crop (d) : 95

Senescence
  leaf : Late & Slow

Officers Responsible for Developing variety

Nominating Institute/Centre : Regional Rice Research & Development Centre, Bombuwela.

Breeder : Dr. A.P. Bentota. (RO)

Co- Breeder : B.G.D.S. Weerasinghe (RO)

Co-Operators : Mrs. Y.J.P.K. Mithrasena (RO)  
Dr. J.B.D.S. Kahandawela (RO)  
Ms. A.S. Pushpakumari (RO)  
Ms. N.P.S. De Silva (RO)  
Mr. G.D.A. Priyantha (AMO)  
Ms. Deepika Weerasinghe (RO)  
Ms. S. Chandrasena (RO)

Collaborating Supporting Staff : Ms. Anoja Wickramanayaka (AI)  
MR. D.M. Jayasundara (AMO)  
Ms. E.A.S. Rohini (AI)  
Ms. S. Samararatna (AI)  
Ms. C. Paranagama (RA)  
Ms. G.D. Nelumsheeli (AI)  
Ms. Muthukumari (AI)  
Ms. A.R. Millavithanachchi (RA)  
Ms. I. Kudawithana (RA)  
Ms. G. Fonseka (RA)  
Ms. Nilmini Devika (AI)  
Ms. A.K.T. Chandralal (AI)  
Ms. O.A.N. Pradeepika (AI)  
Ms. G. Mahawithanage (AMO)
Rice Research and Development Institute, Batalagoda

Involvement in Rice Breeding at Regional Rice Research and Development Centre, Bombuwela
3. Rice

At 309

Released for general cultivation to promote rice biscuit production
Background

Variety name : At 309
Line designation : At 05-1382
Pedigree : IR 70422-66-5-2/Bg 98-2571
Type of the variety/cultivar : Pure line
Origin : Developed through hybridization and selection at Rice Research Station, Ambalantota

Method of cultivation : by seeds

Yield (t/ha)
Potential Recorded : 10.4
Average
Yala : 6.7
Maha : 7.1

Maturity (days)
Yala : 95
Maha : 95

Important traits
Culm length (cm) : 62
Panicle length (cm) : 21
Grain length (mm) : 10.3
Grain width (mm) : 2.3
1000 grain weight (g) : 24.5
Grain type : Long slender
Endosperm type : Glutinous
Lemma palea colour : Straw
Pericarp colour : White

Reaction To Diseases
Blast : R/MR
BLB : MR/MS

Reaction To Insect Pest
Gall Midge : MR/MS
BPH : MR

Quality characteristics
Brown rice recovery (%) : 78.5
Milling recovery (%) : 72.3
Head grain % : 58.5
White belly/center : WB-2 Translucency
Gelatinization Temperature : Low
Amylose content : Low
**DUS report for candidate rice variety At 05-1382**

Candidate Variety : At 05-1382  
Seasons tested : Yala 2013, Maha 2012/2013  
Test locations : Post-control field II, Gannoruwa

The candidate variety At 05-1382 was tested for distinctness, uniformity and stability by comparing with the recommended variety At 306 as the reference.

**Distinctness**

Candidate variety is distinctly different from the reference variety At 306 by its plant, leaf, grain & maturity characteristics.

- Plant of candidate variety At 05-1382 is shorter than the reference variety At 306
- Flag leaves are prominent in candidate variety At 05-1382 and panicles are prominent in reference variety At 306
- Awn is absent in the seed coat of the candidate variety At 05-1382 while it is present in the reference variety At 306
- Candidate variety At 05-1382 mature about 8 days later than the reference variety At 306

**Uniformity & Stability**

The candidate variety is sufficiently uniform & stable for the characteristics given in the descriptor.

**Seedling**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Description</th>
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<tbody>
<tr>
<td>Height (cm)</td>
<td>23.90</td>
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<td>Leaf sheath colour</td>
<td>Green</td>
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**Penultimate leaf**

<table>
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<tr>
<th>Characteristic</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Blade color</td>
<td>Green</td>
</tr>
<tr>
<td>Sheath color</td>
<td>Green</td>
</tr>
<tr>
<td>Collar color</td>
<td>Pale green</td>
</tr>
<tr>
<td>Blade pubescence</td>
<td>Glabrous</td>
</tr>
<tr>
<td>Blade length (cm)</td>
<td>40.67</td>
</tr>
<tr>
<td>Blade width (cm)</td>
<td>1.07</td>
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<tr>
<td>Blade angle</td>
<td>Erect</td>
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**Flag leaf**

<table>
<thead>
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<th>Description</th>
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<tbody>
<tr>
<td>Angle at flowering</td>
<td>Erect</td>
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<tr>
<td>Angle at maturity</td>
<td>Erect</td>
</tr>
<tr>
<td>Length (cm)</td>
<td>25.37</td>
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<tr>
<td>Color at harvest maturity</td>
<td>Yellowish green</td>
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**Ligule**

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<td>Length (mm)</td>
<td>20.40</td>
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<tr>
<td>Shape</td>
<td>2 cleft</td>
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<tr>
<td>Colour</td>
<td>White</td>
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</table>

**Auricle**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Pale green</td>
</tr>
</tbody>
</table>
Culm
  angle : Erect
  height (cm) : 52.75
  diameter : 4.30

Tillers
  no. per plant : 11
  no. of panicle bearing tillers : 11

Flowering
  duration from sowing to 50% flowering (days) : 68
  sensitivity to day length : Insensitive

Internodes
  colour : Green

Spikelet
  stigma colour : White
  apiculus color : White

Panicle
  length (cm) : 22.25
  no. of grains/panicle : 127
  no. of filled grains/panicle : 119
  panicle type : Intermediate
  panicle exertion : Moderately well
  secondary branching within axis : Heavy

Grain
  length (mm) : 10.05
  width (mm) : 2.32
  apiculus color : White
  colour of awn : -
  shattering : Moderate
  1000 grain weight (g) at 13% moisture content : 25.80

Grain (dehulled)
  pericarp color : White
  length (mm) : 7.27
  width (mm) : 1.95
  shape : Very spindle

Duration
  For a transplanted crop (d) : 98

Senescence
  leaf : Late & Slow


Conducted by : I.K. Wasala (RO), K.B.U.C.B. Kandeyaya (AI), SCS, Gannoruwa, W.M.P.M. Weerakoon (AI.), Post control unit II, Gannoruwa, P.S. Amarasingha (RA), Post control unit II, Gannoruwa
Officers Responsible for Developing Variety

Nominating Institute/Centre : Rice Research Station, Ambalantota

Breeder : B.D. Pathinayaka (ROIC)

Collaborating Scientists : M.H.U. Siriwardena (RO)
                       : D.M. Withanawasm (RO)

Collaborating supporting staff : A.P. Sumanawathie (AI)
                                  U.H. Hemapala (AI)

Co operators : R.F. Hafeel (DD(R)/Food technology)
               : W. Anura (RO/Agronomy)
               : N. Nihal (RSA)
               : Officers involved in NCRVT, VAT & LSVAT
Rice Breeding Activities at
Rice Research Station, Ambalantota
4. Rice

Ld 371

Released for general cultivation specially in Low country Wet zone
### Background

<table>
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<tr>
<th>Characteristic</th>
<th>Details</th>
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<tbody>
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<td>Variety name</td>
<td>Ld 371</td>
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<tr>
<td>Line Designation</td>
<td>Ld-3-6-12</td>
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<tr>
<td>Pedigree</td>
<td>Ld 99 -11- 48 /Bg 96 -1520</td>
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<tr>
<td>Type of cultivar</td>
<td>Inbred line</td>
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<tr>
<td>Origin</td>
<td>Developed through hybridization and selection at the RRS, Labuduwa</td>
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<td>Method of propagation</td>
<td>By Seeds</td>
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### Yield (t/ha)

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<th>Zone</th>
<th>Potential</th>
<th>Average</th>
<th>Wet zone</th>
<th>Maha season</th>
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<tbody>
<tr>
<td>Wet zone</td>
<td>4.6</td>
<td></td>
<td>4.36</td>
<td>4.65</td>
</tr>
<tr>
<td>Dry zone</td>
<td>7.6</td>
<td></td>
<td>5.36</td>
<td>5.36</td>
</tr>
</tbody>
</table>

### Maturity (days)

<table>
<thead>
<tr>
<th>Season</th>
<th>Wet zone</th>
<th>Dry zone</th>
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</thead>
<tbody>
<tr>
<td>Yala season</td>
<td>104</td>
<td>102</td>
</tr>
<tr>
<td>Maha season</td>
<td>101</td>
<td>101</td>
</tr>
</tbody>
</table>

### Important traits

- Tolerant to Seed discolorations and Neck blast

### Reaction to diseases

- Blast: R/MR
- Bacterial leaf blight: MR/MS

### Reaction to insect pests

- Gall midge: R/MR
- Brown plant hoper: R/MR

### Quality characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown rice recovery (%)</td>
<td>78.3</td>
</tr>
<tr>
<td>Milling recovery (%)</td>
<td>73</td>
</tr>
<tr>
<td>Head rice recovery (%)</td>
<td>70.5</td>
</tr>
<tr>
<td>Grain size and shape</td>
<td>S/R</td>
</tr>
<tr>
<td>Amylose content</td>
<td>High/Intermediate</td>
</tr>
<tr>
<td>Gelatinization Temperature</td>
<td>High/Intermediate</td>
</tr>
</tbody>
</table>
DUS report for candidate rice variety Ld 3-6-12

Candidate Variety : Ld 3-6-12
Seasons tested : Yala 2010, Maha 2010/11
Test location : Post-control field II, Gannoruwa

The candidate variety Ld 3-6-12 was tested for distinctness, uniformity and stability by comparing with the recommended variety Bg 358 as the reference.

Distinctness
Candidate variety is distinctly different from the reference variety Bg 358 by its plant, leaf, and panicle characteristics.

- Plant of candidate variety Ld 3-6-12 is shorter than the reference variety Bg 358
- Length of the flag leaf of the candidate variety Ld 3-6-12 is longer than that of the reference variety Bg 358
- Flag leaves are prominent in the candidate variety Ld 3-6-12 while panicles are prominent in the reference variety
- Candidate variety Ld 3-6-12 has moderately exerted panicles while the reference variety Bg 358 has well exerted panicles

Uniformity and Stability
The candidate variety is sufficiently uniform and stable for the characteristics given in the descriptor.

Seedling
  height (cm) : 28
  leaf sheath colour : Green

Penultimate leaf
  blade colour : Green
  sheath colour : Purple lines
  collar colour : Pale green
  blade pubescence : Glabrous
  blade length (cm) : 38.1
  blade width (cm) : 1.2
  blade angle : Intermediate

Flag leaf
  angle at flowering : Intermediate
  angle at maturity : Intermediate
  length (cm) : 26.8
  width (cm) : 1.6
  colour at harvest maturity : Yellowish green

Ligule
  length (mm) : 14.2
  shape : 2 cleft
  colour : White
Auricle
  colour : Pale green

Culm
  angle : Intermediate
  height (cm) : 59.3
  diameter (mm) : 5.7

Tillers
  no. per plant : 10.2
  no. of panicle bearing tillers : 9.4

Flowering
  duration from sowing to 50% flowering (d) : 82
  Sensitivity to day length : Insensitive

Internode
  colour : Green

Spikelet
  stigma colour : White
  apiculus colour : Straw
  presence of awn : Absent
  colour of awn : -
  Sterility : Fertile

Panicle
  length (cm) : 22
  no. of grains/panicle : 233
  no. of filled grains/panicle : 191
  panicle type : Intermediate
  panicle exertion : Moderately well
  secondary branching within panicle axis : Light
  : Droopy

Grain
  length (mm) : 6.4
  width (mm) : 3.2
  apiculus colour : Straw
  colour of awn : -
  shattering : Moderate
  1000 grain weight (g) at 13% moisture content : 18.1

Grain (dehulled)
  pericarp colour : White
  length (mm) : 4.5
  width (mm) : 2.6
  shape : Semi-round

Duration
  for a transplanted crop (d) : 112

Senescence
  leaf : Late & slow
Officers Responsible for Developing Variety

Nominating center : Rice Research Station, Labuduwa
Breeder : G.A. Jinadasa (RO)
Collaborating/supporting staff : U.H.K. Waidyanatha (RA)
S.M.C.N. De Silva (RA)
S. Gonapinuwala (RA)
K.V.D. Lalitha (AI)
W.D.P. Weerasinghe (RO)
Y.M.C. Haroshan (AI)
Cooperators : NCRVT Coordinators /co-operators
RO (Pathologist) RRDI, Bw
RO (Entomologist) RRDI
RO (Grain Quality) RRDI
Officers of the Extension services
5. Maize

MI Hybrid Maize 1

Released for cultivation in Maize growing areas
Background

Variety Name : MI Maize Hybrid 01
Line designation : KH 76
Pedigree : CML 161/CML 194
Type of cultivar : F1 hybrid
Method of propagation : by seeds

Yield (t/ha)

Potential Recorded : 7
Average grain yield at 14.5 % moisture
Yala season : 4.5
Maha season : 5.5

Maturity (Days to harvest) : 110-115

Important characters

Cob shape : Conical
Cob length (cm) : 16-20
No. seed rows : 14
Shelling % : 79
Seed color : Orange

Reaction to disease

Southern rust : MR

Quality characters

Protein % : 7.52
Tryptophan % (per percentage protein) : 1.15
Candidate Variety : KH 76
Seasons tested : Yala 2011, Maha 2011/12, Maha 2012/13
Test locations : Post control fields - I & IV, Gannoruwa & Mahailluppallama

The candidate maize variety KH 76 was tested for distinctness, uniformity and stability by comparing with the recommended hybrid variety Sampath as the reference.

**Distinctness**
Candidate maize variety KH 76 is distinct from the reference variety Sampath in male inflorescence and ear (cob) characteristics.
- Intensity of anthocyanin coloration of anthers is lower than that of the reference variety Sampath and hence the male inflorescence of the candidate variety KH 76 shows light purple color appearance while the reference variety Sampath has distinguishable purple color male inflorescence.
- Purple color appearance of silk is more prominent in the reference variety Sampath compared to the candidate variety KH 76.
- The slight differences among the candidate variety KH 74 and KH 76 are not clearly visible and therefore it is very difficult to distinguish each variety separately in the field by morphological characters.

**Uniformity and Stability**
The candidate variety is sufficiently uniform and stable for the characteristics given in the descriptor.

**Plant**
- **Growth habit** : erect
- **Plant Height cm** : 199
- **No. leaves at maturity** : 13
- **Days to maturity** : 95

**Stem**
- **Color** : Green
- **Color of stem** : light purple
- **Pubescence** : slight

**Leaf**
- **Orientation** : semi erect
- **Color** : green
- **Sheath color** : green
- **Pubescence** : present
- **Length at 7\textsuperscript{th} node** : 92
- **width at 7\textsuperscript{th} node** : 11

**Flowering**
- **Days to tasseling** : 49
- **Tassel type** : primary, secondary, tertiary
- **Anthocyanin of anthers** : Medium
- **Male inflorescence color** : Light purple
- **Male inflorescence length** : 39

**Ear**
- **Days to silking** : 55
- **Silk color** : light purple
<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height to upper ear</td>
<td>68</td>
</tr>
<tr>
<td>Node no. bearing 1st ear</td>
<td>3 to 8</td>
</tr>
<tr>
<td>Husk color at maturity</td>
<td>exposed tip</td>
</tr>
<tr>
<td>Cob color</td>
<td>white</td>
</tr>
<tr>
<td>No ears/plant</td>
<td>1 to 3</td>
</tr>
<tr>
<td>Ear length cm</td>
<td>20</td>
</tr>
<tr>
<td>Ear diameter (cm)</td>
<td>4</td>
</tr>
<tr>
<td>No. seed rows</td>
<td>14</td>
</tr>
<tr>
<td>No. of seeds in a row</td>
<td>37</td>
</tr>
<tr>
<td>Arrangement of grains in arow</td>
<td>regular</td>
</tr>
<tr>
<td>Shape of upper most ear</td>
<td>Cylindrical - conical</td>
</tr>
<tr>
<td>Ear weight (g)</td>
<td>188</td>
</tr>
<tr>
<td>Grain</td>
<td></td>
</tr>
<tr>
<td>Grain weight of ears (g)</td>
<td>129</td>
</tr>
<tr>
<td>Shelling %</td>
<td>59</td>
</tr>
<tr>
<td>Color at maturity</td>
<td>orange</td>
</tr>
<tr>
<td>Pericarp color</td>
<td>light orange</td>
</tr>
<tr>
<td>Endosperm colour</td>
<td>white</td>
</tr>
<tr>
<td>Length (mm)</td>
<td>10</td>
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<tr>
<td>Width (mm)</td>
<td>8</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>4</td>
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<tr>
<td>1000 grain weight (g)</td>
<td>288</td>
</tr>
<tr>
<td>General uniformity of accesses ion</td>
<td>Acceptable</td>
</tr>
</tbody>
</table>

Prepared by: K.K.S.D. Pradeepika (RO), SCS, Gannoruwa, Peradeniya
Conducted by: K.K.S.D. Pradeepika (RO), H.M.V.T. Welgama (PA), P.A.G. Chandrika Kumari (AI/FM - Post control field I), P.G.R. Ruwas Arunasiri, (RSA), SCS, Gannoruwa and T.M. Abeysundara (AI/FM- Post control field IV), Mahailluppallama

**Officers Responsible for Developing Variety**

Name of the breeders: K.M. Karunaratne (Retired RO), W.M.R. Kumari (RO)

Collaborating scientist & supporting staff: A.M. Perera (DDR, FCRDI), H.M. Sarath Bandara (RA, FCRDI) S.S. Sujani Paththinige (PA, FCRDI), D.M. Jayamini Kumari (RA, FCRDI) N.A.P.S.G. Upasantha (PA, FCDRI) G.A. Gunawardhana (RO, FCRDI)

6. Soybean

MISB 1

Released for general cultivation in the country
Background
Variety name: MISB 1
Line designation: 10966
Pedigree: Introduced Indian variety, NRC 37 (Ahilya 4) and maintain as Acc.10966 at PGRC
Type of cultivar: Pure line
Origin: Introduction from India (NRC 37)
Method of propagation: By seeds

Yield (t/ha)
Potential yield: > 5.0
Average yield: 3.0

Maturity (days)
Yala season: 90
Maha season: 90 - 95

Important traits
Hypocotyl color: Green
Terminal leaflet length (cm): 15.1
Terminal leaflet width (cm): 5.6
Terminal leaflet length x width: 84.57cm²
Leaflet shape: Ovate
Stem determination: Determinate
Days to flowering (days): 35
Photo period sensitivity: Insensitive
Plant height at 50 % flowering: 30cm
Corolla color: White
Days to maturity (days): 90
Plant height at maturity (cm): 44
Mature pod color: Yellow
Pod pubescence: Present
Pubescence color: Brown
Lodging: None
Number of pods per plant: 55
Number of seeds per pod: 2-3
Seed coat color: Yellow
Hilum color: Brown
Seed coat surface luster: Shiny
100 seed weight (g): 13
Cotyledon color: Yellow

Reaction to
Diseases Bacterial pustules: MR
Purple seed stain: S

Quality characteristics
Shattering: Non shattering up to 10 days
Seed longevity (months): 3 - 4
DUS report for candidate Soybean variety MISB 01

Candidate Variety : 10966
Seasons tested : Maha 2012/13 & Yala 2013
Test locations : Post control field -1, Gannoruwa and post control field-IV, Mahailluppallama

Distinctness
The candidate Soybean variety 10966 was tested for distinctness, uniformity and stability by comparing with the recommended variety Pb-01 as the reference.

Candidate Soybean variety 10966 is distinct from the reference variety Pb-01 in plant, flower, pod and seed characteristics. Hypocotyl Anthocyanin absent in the candidate variety 10966 while it is present in the reference variety Pb-01 and hence the two varieties can be easily distinguished in the field during seedling stage. Plant of the candidate variety 10966 is relatively shorter than the plant of the reference variety Pb 01. Candidate variety 10966 has flowers with white color corolla while the corolla color is purple in the reference variety Pb 01. Mature pods are brown color with dark brown pubescence in the candidate variety 10966 while the reference variety Pb 01 has tan color pods with light brown pubescence. Dark brown outer ring of the seed hilum is apparent in the candidate variety 10966 compared to the reference variety Pb 01.

Uniformity and Stability
Varietal description of 10966

Plant
  Growth habit : Erect
  Growth type : Intermediate
  Height at flowering (cm) : 31-35
  Height at maturity : 50-57

Seedling
  Hypocotyl Anthocyanin coloration : Absent
  Cotyledon color : Green

Stem
  Color : Green
  Pubescence : Semi sparse

Leaf (3rd trifoliate)
 Intensity of leaf green color : Intermediate
  Terminal leaflet length (cm) : 9 -11
  Terminal leaflet width (cm) : 5 -7
  Terminal leaflet size : Small
  Terminal leaflet shape : Ovate
  Lateral leaflet shape : Ovate
  Lateral leaflet size : Intermediate
  Blistering : Absent
Flower
  Days to 50% flowering  :  33
  Corolla color          :  White

Pod
  Days to maturity       :  110
  Mature pod color       :  Brown
  Pubescence             :  Present
  Pubescence colour      :  Dark brown

Seed
  Seeds/pod              :  2-3
  Colour                 :  Buff
  Colour of hilum ring   :  Dark brown
  Colour of the hilum    :  White
  Seed coat surface luster:  Dull
  100 seed weight (g)    :  13.23
  Shape                  :  Round
  Size                   :  Medium

Prepared by             :  K.K.S.D. Pradeepika (RO), SCS, Gannoruwa, Peradeniya
Conducted by            :  K.K.S.D. Pradeepika (RO), H. M.V.T. Welegama (PA),
                         P.A.G. Chandrika Kumari (AI), P.G.R. Ruwan Arunasiri (RSA), SCS, Gannoruwa and T.M. Abeysundara (AI),
                         Mahailuppallama.

**Officers Responsible for Developing Variety**

Nominating Institute/Center :  Field Crops Research and Development Institute, Mahailuppallama
Breeder                   :  Mrs. M. S. Aberathne (Research Officer)
Collaborating Supporting Staff :  Ms. S. M. Samarakoon Manike (RA)
Cooperators               :  Ms. D.G.C. Jeewani (RO)
                         Mr. J.P. Sumanarathne (RO)
                         Mr. A.B.M. Wijayathunga (DD-interprovince Monaragala)
                         Ms. M.J.M.P. Kumararathne (AMO)
                         Mr. H.M. Hitinayake (PA)
                         Mr. P.S.G. Upasantha (PA)
                         Mr. G.G.N. Lakamal Ranaweera (AI)
                         Ms. Niluka Priyadarsani (AI)
                         Mr. K.K.P. Rathnayake (AI)
                         Ms. L.G. Malani (AI)
                         Mr. S.W.G. Kapila Priyawansa (AI)
7. Pole bean

Gannoruwa bil

Released for cultivation in bean growing areas in the country
Background

Variety name : Gannoruwa Bil
Line Designation : Bil
Pedigree : 10926 (♀) USA X PB 2 (♂)
Sri Lanka
Type of Cultivar : Inbred line
Origin : Developed through hybridization and Selection at RARDC, Bandarawela and HORDI, Gannoruwa
Method of Propagation : By seeds

Yield

Potential Recorded (t/ha) : 30

Important traits

Growth habit : Climbing
Plant height : 2 m (or more)
Days to flowering
   Yala season : 32
   Maha season : 35

Maturity (Days)

Days to first pick
   Yala season : 46
   Maha season : 48
Picking interval : 3 - 4
No. of economical picks : 8

Pod quality characters

100 Pod weight (g) : 1170
Length (cm) : 16
Pod shape : Flat shaped slightly curved
Pod circumference (cm) : 4
Pod colour by charts : Yellow Green Group 144-B
Moisture (%) : 89.3
Brix (%) : 7
Cooking time in boiling water (min) : 6
Taste : Good/Moderately
DUS report for candidate Pole Bean variety Gannoruwa BIL

Candidate Variety : 10926 X Pb 2
Seasons tested : Maha 2008/2009, Yala 2009
Test locations : Post Control Field 1 Gannoruwa

The candidate bean variety 10926 X Pb 2 was tested for distinctness, uniformity and stability by comparing with the recommended varieties Kentucky Wonder Green (KWG) and Keppetipola Nil (KN).

Distinctness

Variety 10926 X Pb 2 is distinct from variety KWG in fruit, seed and maturity characteristics. Variety Pb 8-18 can be distinguished from the reference variety by the pod curvature which is slightly curved in candidate variety while it is curved in KWG. Also pods of the candidate variety have very slight constrictions whereas reference variety has medium pod constrictions. Furthermore, the candidate variety has leathery pod walls while KWG has strongly contracting pod walls. Seed shape and colour of 10926 X Pb 2 are cuboid and brown respectively compared to that of KWG which has slightly kidney shaped and light brown seed. Also, seeds of the candidate variety are smaller than those of KWG. Variety 10926 X Pb 2 is a few days earlier in flowering and maturity, compared to KWG.

Variety 10926 X Pb 2 is distinct from variety KN in pod and seed characteristics. Pod walls of 10926 X Pb 2 are leathery while those are strongly contracting in KN. Seeds of the candidate variety are brown and cuboid shaped whereas those are dark brown with black shade in KN. Also the seeds of the candidate variety are slightly smaller compared to those of the reference variety.

The candidate variety is sufficiently uniform and stable for the characteristics given in the descriptor.

Uniformity and stability

DUS Test Variety name : 10926 X Pb 2
Pedigree : Pb 2 (♀) X 10926 (♂)
Origin : HORDI, Sri Lanka

Plant

Growth type : Indeterminate & pods distributed evenly up the plant
Hypocotyl colour : Green
Stem pigmentation : Absent

Leaf

Shape of terminal leaflet : Triangular
Colour : Green
Leaf anthocyanin : Absent
Flower
- Days to flowering: 31
- Colour of standard: Light yellowish white
- Colour of wings: White

Pod
- Length (cm): 15.7
- Cross section through seed: Pear shaped
- Curvature: Slightly curved
- Suture strings: Moderately stringy
- Predominant colour: Light green
- Markings when partially dry: Absent
- Beak length (mm): 5.6 - 6.5
- Beak position: Marginal
- Beak orientation: Upward with curved base
- Constrictions between seeds: Very slight
- Surface texture: Smooth

Seed
- Shape: Cuboid
- Colour: Brown
- 100 seed weight: 37 g
- Brillance: Shiny

Conducted by: R. Nanayakkara, RO., D.M.D. Dassanayake, AI.,
H.M.V.T. Welegama, PA., SCS, Gannoruwa and
D.R.J.K Senadheera AI., Post-control Unit I, Gannoruwa

Officers Responsible for Developing Variety

Nominating Institute/center: HORDI
Breeder: Dr. H.M. Ariyaratne (Additional Director, HORDI)
Collaborating scientist: Mr. B. Hemachandra (RO),
: Mr. D.M. Gunasekara (RO)
: Mr. P.D. Abethilakarathne (RO)
Collaborating staff: Mrs. C. Rambukana (PA)
: Mr. Ranjith Saman Kumara (AI),
: Ms. H.M. Jayamenike (RA)
Copperators: Mr. Chandrasiri Perera (DD),
: Mr. P. Pallemulla (DD)
: Mr. A.M.A. Amarakoon (AI),
: Mr. A.R.M.N. Rathnayaka (AMO)
: Ms. G. Weerarathne (RO)
: Ms. L.D. Galaniha (RO)
08. Luffa

Gannoruwa Ari

Released for general cultivation in the country
Background

Variety Name : Gannoruwa Ari
Line Designation : TD
Pedigree : Selection from exotic germplasm
Type of Cultivar : Open pollinated variety
Method of Propagation : By seeds

Yield (t/ha)

Potential Recorded : 30

Important traits

Growth habit : Climbing
Plant height : 2 m (or more)

Days to flowering

Yala season : 34
Maha season : 38

Maturity (Days)

Days to first pick

Yala season : 46
Maha season : 49

Picking interval : 4
No. of economical picks : 8

Pod quality characters

Pod weight (g) : 450
Length (cm) : 46.5
Pod width (cm) : 5
Pod wall thickness (mm) : 4
Pod colour by charts : GG-147A
Flesh colour : GWG 157-B
Moisture (%) : 91.1
Brix (%) : 4.5
Cooking time in boiling water (minutes) : 5
Taste : Good
DUS report for candidate Luffa variety - Gannoruwa Ari

Candidate Variety : TD
Seasons tested : Maha 2012/2013 & Yala 2013
Test locations : Post control field - I Gannoruwa &
Post control field IV, Mahailluppallama

The candidate Luffa variety TD was tested for distinctness, uniformity and stability by comparing with the recommended variety LA33 as the reference.

Distinctness
Candidate Luffa variety TD is distinct from the reference variety LA33 in plant, leaf, flowering and fruit setting characteristics.

- Candidate variety TD has longer internodes compared to the reference variety LA 33
- Terminal leaf lobe is more pointed in the candidate variety TD than the terminal leaf lobe of the reference variety LA 33. (figure 01)
- Candidate variety TD flowers early (about 28 days) than the reference variety LA 33
- Harvesting of the candidate variety TD can also be done about one month earlier than the reference variety LA33

Uniformity and Stability
The candidate variety is sufficiently uniform and stable for the characteristics given in the descriptor.

Stem
Internodes length(cm) : 16-25

Leaf
Lobes : Shallow
Colour : Green
Pubescence : Intermediate

Flower
Flowering habit : Monoecious
Colour : Yellow
Days to 50% flowering (Staminate) : 22
Days to 50% flowering (pistillate) : 25

Fruit
Days to green harvest : 40
Fruit colour at table use maturity : Green
Ridges : 10
Shape : 7 (PGRC descriptor)
Texture : Wrinkled
Wall thickness (mm) : 5-8
<table>
<thead>
<tr>
<th>Trait</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neck</td>
<td>Present</td>
</tr>
<tr>
<td>Calyx remnants</td>
<td>Present</td>
</tr>
<tr>
<td>Shape of pedicel end</td>
<td>Pointed</td>
</tr>
<tr>
<td>Length (cm)</td>
<td>32-39</td>
</tr>
<tr>
<td>Maximum width (cm)</td>
<td>5-6</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>220-320</td>
</tr>
<tr>
<td>Seed Colour</td>
<td>Black</td>
</tr>
<tr>
<td>Seeds/fruit</td>
<td>152</td>
</tr>
<tr>
<td>100 seed weight (g)</td>
<td>11</td>
</tr>
</tbody>
</table>


**Officers Responsible for Developing Variety**

Nominating Institute/Center: HORDI

Name of breeder: Dr. H.M. Ariyarathne

Name of Scientists: Mr. K. Sathikumar (RO)
                   : Mr. T. Karunainathan (RO)
                   : Mr. B.N. Samaranayake (RO)

Collaborating staff: Mrs. C. Rambukana (PA)
                    : Mr. Ranjith Saman Kumara (AI)
                    : Ms. Kanthie Ranasingha (RA)

Cooperators: Mr. Chandrasiri Perera (DD)
             : Mr. P. Pallemulla (DD)
             : Ms. G. Weerarathne (RO)
             : Ms. K.V.A.I.K. Vithana (PA)
             : Ms. J.P. Marasinha (RO)
             : Mr. S. Ekanayaka (RO)
09. Cucumber

Gannoruwa white

Released for general cultivation in the country
Background

Variety Name : Gannoruwa white
Line designation : H 31
Pedigree : KW X R2
Type of cultivar : F1 hybrid
Method of propagation : By seeds

Yield (t/ha)
Potential Recorded : 60
Average yield (t/ha)
Yala season : 50
Maha season : 45

Maturity (Days to 1st harvest) : 7-50 days

Quality characters of the pods
Skin colour : White
Size : Medium size
Inner colour : Whitish-green
DUS test variety : H 31(F1)
Seasons tested : Yala 2012, Maha 2012/2013
Test locations : Post control field - I, Gannoruwa & Post control field - IV, Mahailluppallama

The candidate cucumber variety H 31 was tested for distinctness, uniformity and stability by comparing with the recommended variety KW which is the female parent of the candidate hybrid variety as the reference.

Distinctness
Candidate cucumber variety H 31 is distinct from the reference variety KW in leaf, flowering and fruit characteristics.

- Terminal leaf lobe is more pointed and longer in the candidate variety H 31 than it is in the reference variety KW
- Candidate variety H31 flowers earlier (about 09 days) than the reference variety KW
- Shape of calyx end of the fruit is rounded in the candidate variety H31 while it is depressed in the reference variety KW
- Shape of the middle chamber of the fruit cross sectional view is distinctly different among the candidate variety H31, reference variety KW and other parent R2 (Figure 01). It is regular in the candidate varieties H 31 and R2 while it is irregular in the reference variety KW

Uniformity and Stability
The candidate variety is sufficiently uniform and stable for the characteristics given in the descriptor.

Plant
- Growth habit : Prostrate
- Growth type : Indeterminate
- Total length (cm) of 1st 15 internodes-at flowering : 155
- Internodes length (cm) : 8 -11
- Presence of tendrils : Present

Leaf blade
- Length (cm) : 9-17
- Width (cm) : 10-21.5
- Ratio: terminal lobe length/blade length : 0.64
- Shape of apex of terminal lobe : Acute
- Intensity of green colour : Medium
- Blistering : Medium
- Undulation of margin : Moderate
- Dentation of margin : Medium
Flower

Days to 50% flowering (female) : 31
Days to 50% flowering (male) : 28
Sex expression : Monoecious
Female flowers/node : Predominantly one
Colour : Yellow
Ovary: colour of vestiture : White

Fruit
Length (cm) : 25-34
Diameter (cm) : 9-10
Ratio: length/diameter : 3
Shape in transverse section : Round
Presence of neck : Absent
Shape of stem end : Rounded
Shape of calyx end : Rounded
Skin colour at market stage : Greenish white
Flesh colour : White
Ribs : Absent
Sutures : Absent
Cearing : Absent
Type of vestiture : Prickles only
Warts : Absent
Stripes : Absent
Glaucosity : Absent
Skin colour at physiological ripeness : Yellow

Seed
Colour : White
Seeds/fruit : 345
1000 seed weight (g) : 29

Conducted by : K.K.S.D. Pradeepika (RO), H. M. V. T. Welegama (PA),
P.A.G. Chandrika Kumari (AI), P.G.R. Ruwan Arunasiri, (RSA),
SCS, Gannoruwa and T.M. Abeysundara (AI), Mahaillupallama.

Officers Responsible for Developing Variety

Nominating Institute/Centre : HORDI, Gannoruwa
Name of the breeder : N. Pararajasingam, (RO)
Other Collaborators : H. M.P.S. Kumari (RO)
A.R. Wijerathne Menike (AI)
H.A.R.P. Vilasini (PA)
H.P.D. Sumanasinghe (PA)
10. Thampala

Gannoruwa Thampala

Released for general cultivation in the country
Background

Variety Name : Gannoruwa Thampala
Line Designation : Pure Green
Pedigree : Farmer accession
Type of Cultivar : Open pollinated
Origin : Purified and selected at HORDI, Gannoruwa
Method of multiplication : By seeds

Yield

Potential Yield (t/ha) : 62.2
Average Yield (t/ha) :
  Maha : 27.1 (25.5-30.5)
  Yala : 31.0 (27.0-34.3)

Maturity (days after germination) : 30-35

Important traits

Plant Characteristics
  Growth : Erect
  Leaves : Light Green and Ovate
  Stem : Green
  Anthocyanin : Absent

Inflorescence
  Colour : Green
  Shape : Erect, Panicle with short branches
  Seed : Black, Round

Days to flowering
  (days after germination) : 41-45

Reaction to major pests and diseases : Freedom from major pests and diseases during growth period

Quality characteristics

Leaf colour (RHC charts) : Green group 138-B
Leaf Colour (Visual) : Green
Visual colour : Green
% Moisture : 83.04
Taste : Good

Shelf life (days after harvest)

Water-sprayed (ambient condition) : 1.5
Low Density Polyethylene film-packed (ambient condition) : 4.0
Low Density Polyethylene film-packed (Refrigerator condition) : 9.0

Nutritional aspects

% crude protein (dry basis) : 22.8
Anthocyanin (µg/cm²) : 1.224
Chlorophyll a (µg/cm²) : 2.376
Chlorophyll b (µg/cm²) : 2.983
Carotenoids (µg/cm²) : 5.155
Antioxidant activity (Free radical scavenging activity (µg/ml)) : 1020.00
DUS report for candidate rice variety Thampala

Candidate Variety : Pure Green
Seasons tested : Yala 2012, Maha 2012/2013 & Yala 2013
Test locations : Post control field - I Gannoruwa & IV Mahailluppallama

The candidate Amaranthus variety Pure Green was tested for distinctness, uniformity and stability by comparing with the recommended variety Green as the reference.

**Distinctness**
Candidate Amaranthus variety Pure Green is distinct from the reference variety Green in plant, leaf, and inflorescence characteristics.

- Candidate variety Pure Green has green colour stem while the reference variety Green has purple colour stem
- Entire leaf lamina and petioles are light green colour in the candidate variety while leaf margin, veins and petioles are purple colour in the reference variety Green
- Candidate variety flowers earlier (about 10 days) than the reference variety
- Candidate variety Pure Green has comparatively loose, green colour panicle while it is dense and purple in the reference variety Green

**Uniformity and Stability**
The candidate variety is sufficiently uniform and stable for the characteristics given in the descriptor.

**Plant**
- Growth habit : Erect
- Branching : Many branches at the base of the stem
- Height at flowering (cm) : 100-140

**Seedling**
- Hypocotyl Anthocyanin colouration : Absent
- Leaf colour : Green
- Stem colour : Green

**Stem**
- Nodal pigments : Purple
- Pubescence : Absent
- Spines in leaf axils : Absent

**Leaf (at maturity)**
- Colour : Entire lamina light green
- Shape : Ovate, rhomboidal
- Margin : Entire
- Pubescence : Absent
Length (cm) : 13-18
Width (cm) : 9-12

Inflorescence
   Days to flowering : 41
   Colour : Green
   Terminal inflorescence shape : Panicle with short branches
   Terminal inflorescence attitude : Erect
   Presence of axillary inflorescences : Present (more)
   Sex type : Monoecious

Seed
   Colour : Black
   Shape : Round
   1000 seed weight (g) : 0.85


Officers Responsible for Developing Variety

Name of the breeder : K.B. Wahundeniya (Director) HORDI, Gannoruwa
Co-breeder : P. Malathy (RO) HORDI, Gannoruwa
Collaborator : Ms. W.D.G.P. Nilanthi (PA),
Supporting staff : Mrs. E.M.N.T.M. Ekanayake (RA)

Other Collaborators
NCVT : J.C. Kariyawasam (RO), T. Karunainathan (RO), D.G.S. Ratnapala (RO), B. Bavaleeswaran (RO), Dr. M. Fahim (RO), R.P.D. Randunu (RA),
Pathological screening : Dr. R.P.A.S. Rajapaksha (RO)
Pest screening : Ms. D. Galaniha (RO)
Quality analysis : Mr. S. Ekanayake (RO)

VAT Collaborators : Ms. J.M.D.J. Bandara (DD), Mr. S.C.J. Bandara (AO), Mr. P.R.G.Y. Pallemlulla (DD), Mr. K.M.A.S.Wijethunga (ADA), Mr. M. Jeganathan (Ret. DD), Mr. E.R. Chandimal (AI), Mrs. G.R.D.K. Dissanayake (AI),
11. Anthurium

Lanka beauty

Released for general cultivation
Background

Variety name: Lanka Beauty
Line designation: M 36
Pedigree: Local accessions were collected from farmer field
Type of cultivar: Clone
Origin: Evaluated and selected in the field gene bank at RARDC, Makandura.
Methods of propagation: Vegetative shoots

Yield: 6.8 Flowers / Plant per Year

Flowering period: Year round

Information necessary for crop management

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Intensity</td>
<td>18,000 - 25,000 Lux</td>
</tr>
<tr>
<td>Temperature</td>
<td>20 - 35°C</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>60 - 90%</td>
</tr>
</tbody>
</table>

Important traits

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petiole angle</td>
<td>35°</td>
</tr>
<tr>
<td>Petiole colour</td>
<td>Green group (146 B) *</td>
</tr>
<tr>
<td>Petiole length (cm)</td>
<td>45.0</td>
</tr>
<tr>
<td>Leaf blade colour</td>
<td>Green group (137 A) *</td>
</tr>
<tr>
<td>Leaf blade length (cm)</td>
<td>42.4</td>
</tr>
<tr>
<td>Leaf blade width (cm)</td>
<td>23.7</td>
</tr>
<tr>
<td>Leaf blade length / width ratio</td>
<td>1.79</td>
</tr>
<tr>
<td>Leaf blade tip angle</td>
<td>Acute</td>
</tr>
<tr>
<td>Spathe colour</td>
<td>Red group (46 B) *</td>
</tr>
<tr>
<td>Spathe glossiness</td>
<td>Best</td>
</tr>
<tr>
<td>Spathe texture</td>
<td>Best</td>
</tr>
<tr>
<td>Spathe length (cm)</td>
<td>16.7</td>
</tr>
<tr>
<td>Spathe width (cm)</td>
<td>12.8</td>
</tr>
<tr>
<td>Spathe length / width ratio</td>
<td>1.31</td>
</tr>
<tr>
<td>Spathe shape</td>
<td>Heart shaped</td>
</tr>
<tr>
<td>Spathe angle</td>
<td>100°</td>
</tr>
<tr>
<td>Spadix colour</td>
<td>Red group (36 D) *</td>
</tr>
<tr>
<td>Apex colour of spadix</td>
<td>Orange group (29 D) *</td>
</tr>
<tr>
<td>Spadix length (cm)</td>
<td>9.0</td>
</tr>
<tr>
<td>Spadix angle</td>
<td>55°</td>
</tr>
<tr>
<td>Peduncle colour</td>
<td>Yellow - Green group (144 B) *</td>
</tr>
<tr>
<td>Peduncle length (cm)</td>
<td>60.0</td>
</tr>
</tbody>
</table>

* Reference - The Royal Horticultural Society London (RHS) Colour Chart

Officers Responsible for Developing Variety

Nominating Institute / Centre: RARDC, Makandura, Gonawila (NWP)
Breeder: M.A. Kularatne (DDR, RARDC, Makandura)
Collaborating / Supporting staff: D.W.A.J. Dissanayake (AI)  
B.A.S.N. Lakmali (RA)
12. Anthurium

Lanka kumari

Released for general cultivation
Background

Variety name: Lanka Kumari
Line designation: M 30
Pedigree: Local accessions were collected from farmer fields
Type of cultivar: Clone
Origin: Evaluated and selected in the field gene bank at RARDC, Makandura.
Methods of propagation: Vegetative shoots

Yield: 7.0 Flowers / Plant per Year

Flowering period: Year round

Information necessary for crop management

- Light Intensity: 18,000 - 25,000 Lux
- Temperature: 20 - 35°C
- Relative Humidity: 60 - 90%

Important traits

- Petiole angle: 30°
- Petiole colour: Yellow - Green group (152 B) *
- Petiole length (cm): 37.4
- Leaf blade colour: Green group (137 A) *
- Leaf blade length (cm): 35.7
- Leaf blade width (cm): 19.8
- Leaf blade length/width ratio: 1.80
- Leaf blade tip angle: Acute
- Spathe colour: Red group (45 B) *
- Spathe glossiness: Best
- Spathe texture: Best
- Spathe length (cm): 16.5
- Spathe width (cm): 12.3
- Spathe length/width ratio: 1.34
- Spathe shape: Heart shaped
- Spathe angle: 100°
- Spadix colour: Red - Purple group (57 D) *
- Apex colour of spadix: Red group (45 B) *
- Spadix length (cm): 8.0
- Spadix angle: 50°
- Peduncle colour: Greyed - Orange group (167 A) *
- Peduncle length (cm): 58.2

* Reference - The Royal Horticultural Society London (RHS) Colour Chart

Officers Responsible for Developing Variety

Nominating Institute / Centre: RARDC, Makandura, Gonawila (NWP)
Breeder: M.A. Kularatne (DDR, RARDC, Makandura)
Collaborating / Supporting staff: D.W.A.J. Dissanayake (AI)
B.A.S.N. Lakmali (RA)
13. Mandarin

Horana Ehime 1

Released for citrus cultivation area especially in Rahangala and Bandarawela
Background

Variety Name : Horana Ehime 1
Line designation : V6
Pedigree : Introduction from Ehime Province, Japan
Type of cultivar : Clone
Origin : Japan
Method of propagation : Grafting

Yield

Recorded number of fruits /tree
1st year : 80
2nd Year : 240
3rd Year : 280

Flowering

Flowering months : March - April and October - November
Fruiting season : August - September and March - April

Important Traits

Tree
Height at the age of 4 years (m) : 1.2 m
Canopy spread at the age of 4 years (m) : 1.5 - 2 m

Fruit

g (g) : 120
Height (cm) : 5.5
Size : medium
Width (cm) : 6.5
Shape : Obloid
Skin Colour : Dark Green
Raw fruits : Orange
Ripen fruits : Orange
Number of segments/fruit : 11-12
Number of seeds/fruit : No
Pulp Colour : Orange
Easiness of peeling : Easy
Adherence of segment walls : weak
Thickness of segment wall : Medium

Juice

Colour : Orange
Acidity : 0.91
Brix : 12.1
Volume (ml) : 55-60
Taste : Good

Reaction to

Diseases

Anthracnose : MR
Scab : MS
Die Back : MR
Canker : MS
Powdery mildew : No
Gumosis : MR
CTV : No
Fungal Root rot : No

Insect pest

Aphids : Hardly present
Citrus Butterfly : Common but not severe
Leaf eating caterpillar : Hardly present
Leaf eating caterpillar : Hardly present
Mites : Not severe
Officers Responsible for Developing Variety

Nominating Institute/Center : Fruit Research and Development Institute
                      Kananwila, Horana
Nominating Scientist    : Mr. W.D. Lesly

Collaborating Supporting Staff : Mr. B. Hemachandra (DDR, RARDC, Bandarawela)
                           Dr. Mrs. E.R.S.P. Edirimanne (RO, FRDS, Gannoruwa)
                           Mr. Abeythilakarathne (ROIC, Rahangala)
                           Mrs. I. Kalubowila (RO, Horana)
                           Mr. J.P. Sumanarathne (District Agric. Director Moneragala)
                           Mr. A.W. Gamini (DDR, GLORDC, A’palessa)
                           Miss. R.G.S. Iroshani (ROIC, Maduruketiya)
                           Ms. Vidumini Wickramasinghe (RO, Bombuwala)
                           Mr. Ranjith Fernando (RO, Girandurukotte)
                           Mrs. H.M.P.P.S. Kumari (RO, Seeta Eliya)
                           Mr. H.M.L. Niran (RO) Girandurukotte)
                           Dr. R.A.G.S. Rajapakshe (RO) HORDI

Cooperators : Mrs. Lankika Mallawarachchi (PA, Bandarawela),
                Mr. Dammika Ariyathne (AI, Rahangala),
                D.S.K.P. Dewage (AI, Homagama),
                Mr. W.G.B.R. Ariyathne (RA, Girandurukotte),
                Mr. Prasad (AI, A’ palessa),
                J.A.C.D. Jayasinghe (RA, FRDI, Horana),
                H.M.W. Sarojini (AI, HORDI, Gannoruwa)
                K.R.S.G.D. Kahandawala (RA., Seetha Eliya)
Fruit Crop Research and Development Institute, Horana
14. Mandarin

Horana Ehime 2

Released for citrus cultivation area especially in Rahangala and Bandarawela
**Background**

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Horana Ehime 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line designation</td>
<td>V8</td>
</tr>
<tr>
<td>Pedigree</td>
<td>Introduction from Ehime Prefecture, Japan</td>
</tr>
<tr>
<td>Type of cultivar</td>
<td>Clone</td>
</tr>
<tr>
<td>Origin</td>
<td>Japan</td>
</tr>
<tr>
<td>Method of propagation</td>
<td>Grafting</td>
</tr>
</tbody>
</table>

**Yield**

<table>
<thead>
<tr>
<th>Recorded number of fruits /tree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st year</td>
</tr>
<tr>
<td>2nd Year</td>
</tr>
<tr>
<td>3rd Year</td>
</tr>
</tbody>
</table>

**Flowering**

<table>
<thead>
<tr>
<th>Flowering months</th>
<th>March - April and October - November</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fruit stage</td>
<td>August - September and April - June</td>
</tr>
</tbody>
</table>

**Important Traits**

**Tree**

<table>
<thead>
<tr>
<th>Height at the age of 4 years (m)</th>
<th>1.3 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canopy spread at the age of 4 years (m)</td>
<td>1.5- 2 m</td>
</tr>
</tbody>
</table>

**Fruit**

| weight (g) | 100 |
| Height (cm) | 5.0 |
| Size        | medium |
| Width (cm)  | 4.0 |
| Shape       | Oblod |
| Skin Colour | Raw fruits: Dark Green |
|            | Ripen fruits: Orange |
| Number of segments/fruit | 11-12 |
| Number of seeds /fruit   | No   |
| Pulp Colour             | Orange |
| Easiness of peeling     | Easy  |
| Adherence of segment walls | weak |
| Thickness of segment wall | Thin |

**Juice**

| Colour | Orange |
| Acidity | 0.9 |
| Brix    | 12.5 |
| Volume (ml) | 40-45 |
| Taste   | Good  |

**Reaction to**

**Diseases**

<table>
<thead>
<tr>
<th>Diseases</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose</td>
<td>MR</td>
</tr>
<tr>
<td>Scab</td>
<td>MS</td>
</tr>
<tr>
<td>Die Back</td>
<td>MR</td>
</tr>
<tr>
<td>Canker</td>
<td>MS</td>
</tr>
<tr>
<td>Powdery mildew</td>
<td>No</td>
</tr>
<tr>
<td>Gumosis</td>
<td>MR</td>
</tr>
<tr>
<td>CTV</td>
<td>No</td>
</tr>
<tr>
<td>Fungal Root rot</td>
<td>No</td>
</tr>
</tbody>
</table>

**Insect pest**

<table>
<thead>
<tr>
<th>Insect pest</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aphids</td>
<td>Hardly present</td>
</tr>
<tr>
<td>Citrus Butterfly</td>
<td>Common but not severe</td>
</tr>
<tr>
<td>Leaf eating caterpillar</td>
<td>Hardly present</td>
</tr>
<tr>
<td>Leaf eating caterpillar</td>
<td>Hardly present</td>
</tr>
<tr>
<td>Mites</td>
<td>Not severe</td>
</tr>
</tbody>
</table>
Officers Responsible for Developing Variety

Nominating Institute/Center : Fruit Research and Development Institute
Kananwila, Horana

Nominating Scientist : Mr. W.D. Lesly

Collaborating Supporting Staff : Mr. B. Hemachandra (DDR, RARDC, Bandarawela)
Dr. Mrs. E.R.S.P. Edirimanne (RO, FRDS, Gannoruwa)
Mr. Abeythilakarathne (ROIIC, Rahangala)
Mrs. I. Kalubowila (RO, Horana)
Mr. J.P. Sumanarathne (District Agric. Director Moneragala)
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Miss. R.G.S. Iroshani (ROIIC, Maduruketiya)
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Mr. Ranjith Fernando (RO, Girandurukotte)
Mrs. H.M.P.P.S. Kumari (RO, Seeta Eliya)
Mr. H.M. L. Niran (RO, Girandurukotte)
Dr. R.A. G. S. Rajapakshe (RO) HORDI

Cooperators : Mrs. Lankika Mallawarachchi (PA, Bandarawela),
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D.S.K.P. Dewage (AI, Homagama),
Mr. W.G.B.R. Ariyarathne (R.A. Girandurukotte),
Mr. Prasad (AI, A’ palessa),
J.A.C.D. Jayasinghe (RA, FRDI, Horana),
H.M.W. Sarojini (AI, HORDI, Gannoruwa)
K.R.S.G.D. Kahandawala (RA., Seetha Eliya)
Variatel release committee meeting – 2013
15. Mandarin

Horana Ehime 3

Released for citrus cultivation area especially in Rahangala and Bandarawela
Background

Variety Name: Horana Ehime 3  
Line designation: V5  
Pedigree: Introduction from Ehime Prefecture, Japan  
Type of cultivar: Clone  
Origin: Japan  
Method of propagation: Grafting

Yield

Recorded number of fruits /tree
1st Year: 90  
2nd Year: 217  
3rd Year: 245

Flowering

Flowering months: March - April and October - November  
Fruiting season: August - September and May - June

Important Traits

Tree

Height at the age of 4 years (m): 1.3 m  
Canopy spread at the age of 4 years (m): 1.5 - 2 m

Fruit

Weight (g): 85  
Height (cm): 4.5  
Size: medium  
Width (cm): 4.0  
Shape: Obloid spheroid  
Skin Colour
   Raw fruits: Dark Green  
   Ripen fruits: Orange
   Number of segments/fruit: 11-12  
   Number of seeds/fruit: No  
   Pulp Colour: Orange  
   Easiness of peeling: Easy  
   Adherence of segment walls: weak  
   Thickness of segment wall: Thin

Juice

Colour: Orange  
Acidity: 0.8  
Brix: 11.4  
Volume (ml): 35-40  
Taste: Good

Reaction to

Diseases
   Anthracnose: MR  
   Scab: MS  
   Die Back: MR  
   Canker: MS  
   Powdery mildew: No  
   Gumosis: MR  
   CTV: No  
   Fungal Root rot: No

Insect pest
   Aphids: Hardly present  
   Citrus Butterfly: Common but not severe  
   Leaf eating caterpillar: Hardly present  
   Leaf eating caterpillar: Hardly present  
   Mites: Not severe
Officers Responsible for Developing Variety

Nominating Institute/Center : Fruit Research and Development Institute, Kananwila, Horana

Nominating Scientist : Mr. W.D. Lesly

Collaborating Supporting Staff : Mr. B. Hemachandra (DDR, RARDC, Bandarawela)
Dr. Mrs. E.R.S.P. Edirimanne (RO, FRDS, Gannoruwa)
Mr. Abeythilakarathne (ROIC, Rahangala)
Mrs. I. Kalubowila (RO, Horana)
Mr. J.P. Sumanarathne (District Agric. Director Moneragala)
Mr. A.W. Gamini (DDR, GLORDC, A’palessa)
Miss. R.G.S. Iroshani (ROIC, Maduruketiya)
Ms. Vidumini Wickramasinghe (RO, Bombuwala)
Mr. Ranjith Fernando (RO, Girandurukotte)
Mrs. H.M.P.P.S. Kumari (RO, Seeta Eliya)
Mr. H.M. L. Niran (RO Girandurukotte)
Dr. R.A.G.S. Rajapakshe (RO) HORDI

Cooperators : Mrs. Lankika Mallawaarachchi (PA, Bandarawela),
Mr. Dammika Ariyarathne (AI, Rahangala),
D.S.K.P. Dewage (AI, Homagama),
Mr. W.G.B.R. Ariyarathne (R.A. Girandurukotte),
Mr. Prasad (AI, A’ palessa),
J.A.C.D. Jayasinghe (RA, FRDI, Horana),
H.M.W. Sarojini (AI, HORDI, Gannoruwa)
K.R.S.G.D. Kahandawala (RA., Seetha Eliya)
16. Varietal Release Technical Committee  - 2013

The Following officers nominated by the Director General of Agriculture visited the sites where the candidate varieties were grown and provided reports.

Dr. K. Hettiarachchi (Breeder) Dep. Director, PGRC.
Dr. R.G.S. Rajapaksha (Pathologist) HORDI, Gannoruwa.
Dr. R.M. Herath (Economist) SEPC, Peradeniya
Dr. Amitha Bentota (Breeder) Director, RRDI, Batalagoda.
Dr. Rohini Nanayakkara, Dep. Director, SCS, Gannoruwa.
Ms. D. Galaniha (Entomologist), HORDI, Gannoruwa.
Mrs. D.S. Rathnasinghe, ADA, Extension & Training Division, Peradeniya.
Mr. M.A.P.W.K. Malaviarachchi (Agronomist), FCRDI, Mahailupallama.
Dr. Rohan Wijekoon  DGA  DOA, Peradeniya
Dr. Amitha Bentota  Adl. Director  DOA, A’pelassa
Dr. Jayantha Atapattu  DD Ext.  ETC, Peradeniya
Mr. O.P.K. Chandrasiri  Director  SCPPC, Gannoruwa
Dr. G.M.W. Chithral  Add. Director  SCPPC, Gannoruwa
Dr. R. Nanayakkara  DD  SCS, Gannoruwa
Dr. K. Hettiarachchi  DD  PGRC, Gannoruwa
Mr. N.P.C.D. Silva  Add. Director  ETC, Peradeniya
Dr. Sumith Abeysiriwardena  Consultant  CIC
Dr. W.L.G. Samarasinghe  RO  RRDI, Batalagoda
Mr. S.G. Piyadasa  RO  FCRDI, Mahailuppallama
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Mr. K.B. Wahundeniya  Director  HORDI, Gannoruwa
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Mr. Y. B. Iqbal  ROIC  RRS, Samanthurai
Mr. T.H.C.S. Perera  Director  SEPC, Peradeniya
Dr. R.S.K. Keerthisena  Add. Director  RRDI, Batalagoda
Mr. S.W. Abeysekara  Director  RRDI, Batalagoda
Mr. A.H. Gunadasa  RO  I/P, Batalagoda
Mr. M. Vincent Perera  SMO Paddy  DOA, Sabaragamuwa
Mr. H.H.A.S. Gunarathe  AI  FCRDI, Mahailuppallama
Mrs. W.M.R. Kumari  RO  FCRDI, Mahailuppallama
Mr. Prasanna Pallemulla  DD  PDOA, Central Province
Mr. I.U. Mendis  PDOA  Western Province
Mr. R.A.A. Ranathunga  RO  GLORDC, A’Pelessa
Mr. D. Weerasekara  RO  GLORDC, A’Pelessa
Mr. J.D. Sudasinghe  ADA  ETC, Peradeniya
Ms. A.V.C. Abhayagunasekara  RO  RRDI, Batalagoda
Ms. D. S. Kekulandara  RO  RRDI, Batalagoda
Ms. N.H.M.S. Chithrapala  RO  FCRDI, Mahailuppallama
Ms. S.S. Paththinige  RO  RRDI, Batalagoda
Ms. R.M.N.H. Senanayake  RO  RRDI, Batalagoda
Ms. K.A.K. Wijesena  RO  RRDI, Batalagoda
Mr. A.J.N. Lakmal Jayarathne  ADA  DOA, Kegalla
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Ms. H.M.S.N. Herath
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Mr. A.M.A. Amarakoon
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Mr. D.S. Rathnasinghe
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Mr. H.M.S.P. Herath

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ADA
SMS
ADA
Executive
RO
Adl. Director

RRDI, Batalagoda
DD, Kaluthara
ISTI, Bombuwala
DD, Kaluthara
DD, Kaluthara
DD, Gampaha
PGRC, Gannoruwa
FCRDI, Mahailuppallama
FCRDI, Mahailuppallama
FCRDI, Mahailuppallama
ARS, Girandurukotte
ARS, Girandurukotte
FCRDI, Horana
FCRDI, Horana
RARDC, Makadura
RARDC, Makadura
RARDC, Makadura
RARDC, A’Wila
RARDC, Makadura
RARDC, Makadura
DD (I/P), Polonnaruwa
Matara
AI Office, Rattota
AI Office, Tenna
AI Office, Marassawa
PARTC, Pallakale
Weula, Kandy
SMO (Paddy)
DD (Seed)
AI
AI
SMO-Veg (VAT)
RO
RO
ADA
SMS
ADA

Kandy
SPMDC, Polonnaruwa
AI Office, Namadagala
DDA Office, N’Eliya
DD Office, Kandy
RRDI, Bathalagoda
PGRC, Gannoruwa
DDA Office(I/P) Hambantota
ISTI, Gannoruwa
ETC, Peradeniya
CIC, Pelwehera
HORDI, Gannoruwa
SPMDC, Peradeniya