For more information, please call or write the NSIC Secretariat at:

**NATIONAL SEED INDUSTRY COUNCIL**
2nd Floor National Seed Quality Control Services Building
Bureau of Plant Industry, Visayas Avenue,
Quezon City.

Telefax number : 929-8185
E-mail address : seedcouncil@yahoo.com

Prepared by:

**NSIC Secretariat**
V.R. Mamaril, Z.L. Meneses, E.D. Morales, E.D. Suñiga,
J.R. Estacio, and R.B. De Leon

---

**2004 Approved and Registered Crop Varieties**

- MIH (Magtlaq)
- NSIC R126H (Metisse 5)
- DK-9051
- MM5U Off-Season Tomato Hybrid-3
Over the years, the Department of Agriculture through its concerned bureaus, attached agencies and regional research stations has continuously developed and promoted among farmers the use of high-yielding, pest resistant and location-specific crop varieties to boost their productivity and incomes.

More than a decade ago, said service and mandate was institutionalized and further strengthened with the enactment of Republic Act 7308, otherwise known as the “Seed Industry Act of 1992.” One of its provisions is the establishment of the National Seed Industry Council (NSIC) to oversee the scientific evaluation and field-testing of new seeds and planting materials to ensure that prospective varieties meet national and world-class standards for commercial propagation and distribution.

In 2004, the Council has accredited and registered 42 new varieties of 12 different crops. These include: 16 varieties of corn; eight of rice; three each of sweet potato and mandarin; two each of tobacco, cassava, mango and tomato; and one variety each of potato, taro, mungbean and pummelo. Their respective agronomic and horticultural characteristics, and where they could be sourced, are contained in this comprehensive 2004 Seed Catalog.

On behalf of the NSIC, therefore, I encourage our farmers, commercial breeders and hobbyists to consider and make use of these new varieties to further improve and increase their crop yields and incomes. Rest assured the Department of Agriculture and NSIC will continuously provide Filipino farmers and other clienteles the options and accessibility to modern crop varieties that meet their specific requirements.

Congratulations and more power! Mabuhay ang NSIC!

ARTHUR C. YAP
Secretary, Department of Agriculture
The National Seed Industry Council (NSIC), as mandated by Republic Act 7308 otherwise known as Seed Industry Act of 1992 is responsible for the registration of new crop varieties. The development of these plant varieties is considered as one of the most important tools for increasing food production in a sustainable way thereby, providing income to the agricultural sector.

In the year 2004, the Council approved forty-two (42) new crop varieties for commercial planting. Prior to their approval, these varieties were tested all over the country for their agronomic and horticultural characteristics and scientifically evaluated and documented against a given standard. After series of trials, only varieties which met or exceeded the standard were recommended for commercial planting.

With this development, farmers are given the option to choose the variety that best suit their existing agricultural practices or perhaps adapt new technologies which may be deemed beneficial in their pursuit to improve production.

All of these endeavors may not have been possible without the cooperation of farmers, plant breeders, technical working group members, and other players in the Seed Industry.

The Council, in behalf of the Filipino people and our farmers extend its most sincere gratitude in making our crop variety registration system responsive, dynamic and service oriented to our clienteles.

HERNANI G. GOLEZ
Executive Director
National Seed Industry Council
PREFACE

One of the major mandates Republic Act 7308 otherwise known as the Seed Industry Act of 1992 is to encourage the private sector to engage in seed research and development and in mass production and distribution of good quality seeds.

This mandate, however, does not limit seed research and development into the hands of the private sector only. The government, through the research agencies of the Department of Agriculture and the state colleges and universities are also active in this type of endeavor. With this existing seed research environment, both the government and the private sector work hand-in-hand with a common goal of providing our farmers a choice of crop varieties suited to their needs.

Under our current scheme, before the Council accredits new crop varieties, an evaluation system is institutionalized to ensure that new varieties meet the respective agronomic, horticultural, and other set of standards. This accreditation design is ably undertaken by the members of the Technical Working Groups of the National Seed Industry Council.

This year 2004, the National Seed Industry Council has accredited forty-two new crop varieties. These varieties are automatically listed in the Council’s Crop Registry. All these new varieties are documented in this Seed Catalogue. Specifically, the following information is provided: variety characteristics and the source of initial planting materials. It is thought that this information is vital to the stakeholders of the seed industry.

The Council, therefore, extends its sincere gratitude to all those who made the registration of forty-two new crop varieties. And it shall always remain in our mission to provide our partners in the seed industry an efficient and responsive system of variety registration in support to our national agricultural goals.
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### Chemical Characters

**Chemical Characters**

**Nicotine content (%)**
- Lower leaf position : 4.006
- Upper leaf position : 4.290

**Reducing sugar content (%)** : 0

### Reaction to diseases and insect pests

- Moderately susceptible to root knot nematode. Resistant to tobacco mosaic virus and potato virus Y. Susceptible to cucumber mosaic virus, black shank and Cercospora leaf spot. Also susceptible to tobacco aphid and budworm.

### Other features of the variety

- Variety preference of customers. The characteristics of the variety satisfy the specific blending requirements of International Buyers.
**TOBACCO**

NSIC Registration Number: NSIC Tc 8

Variety Name: KY 160

Location of adaptability trials: La Union, Ilocos Sur

Registering entity: Lancaster Phils., Inc. Agoo, La Union

---

**Varietal Characteristics**

- Days of flower (DAT): 53
- Days of topping (DAT): 46
- Days of first priming (DAT): N/A (Stalk cut)
- Days of last priming (DAT): N/A
- No. of harvestable leaves: 23
- Leaf length (cm): 82
- Leaf width (cm): 42.5
- Stalk length (cm): 163
- Plant height (cm): 211
- Cured yield (t/ha): 2.107
- Crop value (P/ha): N/A

---

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RICE

Pedigree Number : BIGANTE
Local Name : Mestiso 4
NSIC Registration Number : NSIC Rc124H

Background

A. Sponsoring Agency : BAYER Crop Science
B. Group/Researchers : BAYER Crop Science and RVIG-PhilRice

Varietal Characteristics

A. Yield (kg/ha)
   1. Replicated Trials
      Dry season : 5673
      Wet season : 5669
      Across season : 5671

B. Maturity (DAS)
   Dry season : 118
   Wet season : 118
   Across season : 118

Cured yield (t/ha) : 2.279
Crop value (P/ha) : N/A
Grade distribution (%) : 58.10

Chemical Characters

Nicotine content (%)
   Lower leaf position : 2.905
   Upper leaf position : 3.034
   Reducing sugar content (%) : 0

Reaction to diseases and insect pests

Moderately susceptible to root knot nematode. Resistant to tobacco mosaic virus and potato virus Y. Susceptible to cucumber mosaic virus, black shank and Cercospora leaf spot. Also susceptible to tobacco aphid and budworm.

Other features of the variety

Variety preference of customers. The characteristics of the variety satisfy the specific blending requirements of International Buyers.
TOBACCO

NSIC Registration Number : NSIC Tc 7
Variety Name : TN 90
Location of adaptability trials : La Union, Ilocos Norte, Abra, Pangasinan, Isabela, Cagayan
Registering entity : Lancaster Phils., Inc. Agoo, La Union

Varietal Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Days of flower (DAT)</td>
<td>59</td>
</tr>
<tr>
<td>Days of topping (DAT)</td>
<td>55</td>
</tr>
<tr>
<td>Days of first priming (DAT)</td>
<td>55</td>
</tr>
<tr>
<td>Days of last priming (DAT)</td>
<td>N/A (Stalk cut)</td>
</tr>
<tr>
<td>No. of harvestable leaves</td>
<td>27</td>
</tr>
<tr>
<td>Leaf length (cm)</td>
<td>59.59</td>
</tr>
<tr>
<td>Leaf width (cm)</td>
<td>32.77</td>
</tr>
<tr>
<td>Stalk length (cm)</td>
<td>138.25</td>
</tr>
<tr>
<td>Plant height (cm)</td>
<td>192.25</td>
</tr>
</tbody>
</table>

C. Plant Height (cm)
- Dry season : 106
- Wet season : 109
- Across season : 108

D. Productive Tillers (no/hill)
- Dry season : 13
- Wet season : 13
- Across season : 13

E. Spikelet Fertility (%) : 77.76

F. 1000 Grain Weight (g) : 20.73

G. Reactions to Diseases
- Blast : 3.14 R
- Bacterial leaf blight : 5.91 I

H. Grain Quality

Physico-chemical characteristics
- % Amylose : 20.9 I
- % Protein : 6.3
- G.T. Score : 4.5 HI/I/L

Milling Potentials
- % Brown Rice : 77.9 F
- % Milling Recovery : 68.4 G1
- % Head Rice : 42.6 G2

Physical Attributes
- % Chalky Grains : 31.4 aa
- % Immature Grains : 1.9 Pr
- Grain length (L in mm) : 6.3 M
- Grain shape (L/W) : 3.01 I

Diseases/Insect Pests Reactions
- R = Resistant
- MR = Moderately Resistant
I = Intermediate
MS = Moderately Susceptible
S = Susceptible

Grain Quality Evaluation
H = High
M = Medium
HI = High Intermediate
I = Intermediate
F = Fair
G1 = Grade 1
G2 = Grade 2
Pr = Premium
L = Long
S = Slender

Agro - Climatic, Seasonal and Cultural Recommendation

Recommended in irrigated lowland particularly in Nueva Ecija, Cagayan, Bohol, and Isabela especially during the wet season; or areas of similar growing conditions as these NCT sites.

Other features of the variety
⇒ High yield
⇒ Resistant to blast
⇒ Intermediate to BLB, SHB, Whiteheads and Yellow Stemborer.
⇒ Intermediate amylose content.
⇒ Acceptable milling potentials.
⇒ Better preference score in the cooked form and acceptability rating in both raw and cooked forms than IR64, PSB Rc72H and PSB Rc18.

Cecospora Leaf Spot Rating (1-5) : 2.2 (WS) ; 2.4 (DS)
Rust rating (1-5) : 1.9 (WS) ; 2.5 (DS)
Seed coat color : Dull-green

Chemical Analysis (%)
Crude Protein : 23.76
Carbohydrates : 65.98
Starch : 43.50
Ash : 4.20
Crude Fat : 0.64

Agro-climatic, seasonal and cultural adaptations

Recommended for both wet and dry seasons.

Other features of the variety

From 2002-2003 wet season, EGM 93-266 was the top yielder in BPI-LBNCRDC, DA-SMJARC and USM. It was also one of the top yielders in BPI-LGNCRDC and MMSU. During the 2002-2004 dry season, EGM 93-266 was a consistent top yielder in USM. Similarly it was among highest yielders in six other locations (DA-CVIARC, DMMMSU, TCA, BPI-LGNCRDC and MMSU). As per observation, EGM 93-266 is less infested by weevil due to its dull seed coat. It is also the most preferred line in Tarlac, Isabela and Ilocos. EGM 93-266 gave high consistency (seed coat does not separate from the grain) when cooked.
FIELD LEGUMES
MUNGBEAN

NSIC Registration Number: NSIC Mg14
Line/Hybrid: EGM 93-266
Commercial Name: Kulabo
Breeder: DA-BPI-LBNCRDC

Flora A. Jarilla, Study Leader
Eugenia M. Buctuanon, Research Assistant

Varietal Characteristics

Yield (kg/ha): 1165.9 (WS); 1086.9 (DS)
Days of flower: 31.0 (WS); 33.0 (DS)
Days of mature: 58.0 (WS); 58.0 (DS)
Plant height (cm): 80.1 (WS); 53.0 (DS)
Pods per plant: 16.0 (WS); 14.0 (DS)
Number of seeds per pod: 12.0 (WS); 11.3 (DS)
100-Seed weight (g): 5.1 (WS); 5.2 (DS)

Source of planting materials
Bayer Crop Science
3/F Bayer House, Canlubang Industrial Estate,
Canlubang, Laguna, Philippines

Breeder seedstock available:
A line = 50 kg
R line = 50 kg
B line = 50 kg
RICE

Pedigree Number: MRH 005 (MAGILAS)
Local Name: Mestiso 5
NSIC Registration Number: NSIC Rc126H (location specific recommendation)

Background
A. Sponsoring Agency: MONSANTO Phils., Inc.
B. Parents: P39-24A/GSR-17
C. Group/Researchers: MONSANTO Phils., Inc. and RVIG-PhilRice

Varietal Characteristics
A. Yield (kg/ha)
   1. Replicated Trials
      Dry season: 6308
      Wet season: 6139
      Across season: 6231

B. Maturity (DAS)
   Dry season: 109

Reaction to pests
Resistant to bacterial wilt and moderately resistant to tobacco mosaic virus (TMV). Found resistant to moderately resistant to fruit worm and leaf miner.

Agro-climatic, seasonal and cultural adaptation
Adapted during wet season in Northern Luzon, Visayas and Mindanao.

Other features of the variety
High yielder/shows good performance even during periods of high rainfall intensity and strong typhoons, which are typical in the Ilocos Region. Produces 43.64% yield increase over the check variety (Marimar) during the dry season and 26.46% during the wet season. Offers excellent opportunities for farmers to venture into profitable tomato production particularly during the off season, i.e., wet season. Possesses fruit quality preferred by local consumers, i.e., juicy and sour. Possesses external features of the native cultivar and thus marketing of the product is not a problem. It is now grown extensively in farmers field and requests for seeds are no longer confined in Ilocos Norte but also nearby provinces such as Ilocos Sur, La Union, Pangasinan and Cagayan Valley.
TOMATO

NSIC Registration Number : NSIC Tm-11
Line : MMSU Tomato Hybrid 3
Sponsoring Agency/Station : Mariano Marcos State University
Batac, Ilocos Norte

Varietal Characteristics

Yield (t/ha) : 45.88 (DS) ; 28.88 (WS)
Maturity (days to first harvest) : 93.15 (DS) ; 92.75 (WS)
Maturity (days to last harvest) : 130.00 (DS) ; 149.00 (WS)
Plant height at first harvest (cm) : 97.23 (DS) ; 141.68 (WS)
Plant height at last harvest (cm) : 115.26 (DS) ; 199.11 (WS)
Fruit
Size : 33.19 g (DS) ; 23.74 g (WS)
Color : Red
Shape : Round

C. Plant Height (cm)
Dry season : 113
Wet season : 128
Across season : 120

D. Productive Tillers (no/hill)
Dry season : 13
Wet season : 12
Across season : 12

E. Spikelet Fertility (%): 87.8

F. 1000 Grain Weight (g): 27.1

G. Reactions to Diseases
Blast : 3.14 R
Bacterial leaf blight : 5.91 I

H. Grain Quality
Physico-chemical characteristics
% Amylose : 20.9 I
% Protein : 6.3
G.T. Score : 4.5 HI/I/L

Milling Potentials
% Brown Rice : 77.9 F
% Milling Recovery : 68.4 G1
% Head Rice : 42.6 G2

Physical Attributes
% Chalky Grains : 31.4 aa
% Immature Grains : 1.9 Pr
Grain length (L in mm) : 6.3 M
Grain shape (L/W) : 3.01 I
**Diseases/Insect Pests Reactions**

- **R** = Resistant
- **MR** = Moderately Resistant
- **I** = Intermediate
- **MS** = Moderately Susceptible
- **S** = Susceptible

**Grain Quality Evaluation**

- **H** = High
- **M** = Medium
- **HI** = High Intermediate
- **I** = Intermediate
- **F** = Fair
- **G1** = Grade 1
- **G2** = Grade 2
- **Pr** = Premium

**Source of planting materials**

MONSANTO Phils., Inc.
7th Floor, Ayala Life-FGU Center
Alabang-Zapote Road (cor. Acacia Ave.)
Madrigal Business Park, Alabang
1170 Muntinlupa City

**Breeder seedstock available:**

- A line = 50 kg
- R line = 50 kg
- B line = 50 kg

---

**Reaction to pests**

Resistant to bacterial wilt and moderately resistant to tobacco mosaic virus (TMV). Found resistant to moderately resistant to fruit worm and leaf miner.

**Agro-climatic, seasonal and cultural adaptation**

Adapted during wet season in Northern Luzon, Visayas and Mindanao.

**Other features of the variety**

Most preferred by farmers because it possesses fruit qualities preferred by local consumers such as juicy and sour tastes, pink color and round shape. Possesses external features of the native cultivar and thus marketing of the product is not a problem. Produces 6.29% yield increase over the check variety during the dry season and 4.52% during the wet season. It is now grown extensively in farmers field and requests for seeds are no longer confined in Ilocos Norte but also at nearby provinces such as Ilocos Sur, La Union, Pangasinan and Cagayan Valley. Shows good performance and offers excellent opportunities for farmers to venture into profitable tomato production particularly during the off-season, i.e. wet season.
VEGETABLE CROPS

TOMATO

NSIC Registration Number : NSIC Tm-10
Line : MMSU Tomato Hybrid 1
Sponsoring Agency/Station : Mariano Marcos State University
Batac, Ilocos Norte

Varietal Characteristics

Yield (t/ha) : 33.95 (DS) ; 27.72 (WS)
Maturity (days to first harvest) : 93.15 (DS) ; 92.75 (WS)
Maturity (days to last harvest) : 130.00 (DS) ; 149.00 (WS)
Plant height at first harvest (cm) : 129.40 (DS) ; 150.15 (WS)
Plant height at last harvest (cm) : 143.26 (DS) ; 217.43 (WS)
Fruit
Size : 31.04 g (DS) ; 21.02 g (WS)
Color : Pinkish
Shape : Round

RICE

Pedigree Number : SL 8H
Local Name : Mestiso 6
NSIC Registration Number : NSIC Rc132H
(location specific recommendation)

Background

A. Sponsoring Agency : SL Agritech
B. Group/Researchers : SL Agritech and RVIG-PhilRice

Varietal Characteristics

A. Yield (kg/ha)
   1. Replicated Trials
      Dry season : 5976
      Wet season : 5847
      Across season : 5914

B. Maturity (DAS)
   Dry season : 115
   Wet season : 111
   Across season : 113
C. Plant Height (cm)
   Dry season : 102
   Wet season : 112
   Across season : 107

D. Productive Tillers (no/hill)
   Dry season : 11
   Wet season : 11
   Across season : 11

E. Reactions to Diseases
   Blast : 3.12 R
   Bacterial leaf blight : 5.47 I
   Sheath blight : 5.54 I
   Rice Tungro Virus
      Modified : 69.85 S
      Induced : 68.02 S
   Insect Pests
      Whiteheads (SB) : 21.39 MS
      Green leafhopper : 6.25 I
      Yellow stemborer : 6.33 I
      Brown planthopper : 7.63 MS

F. Grain Quality
   Physico-chemical characteristics
      % Amylose : 23.4 I
      % Protein : 5.5
      G.T. Score : 5.0 HI/L/I
   Milling Potentials
      % Brown Rice : 77.01 I
      % Milling Recovery : 66.7 G1
      % Head Rice : 41.0 G2
   Physical Attributes
      % Chalky Grains : 15.1 aa

Fruit
   Whole fruit
      Size
         Weight : 364.64 g
         Length : 130.48 mm
         Width : 77.31 mm
         Thickness : 61.36 mm
         Shape : Ellipsoid
      Skin/Peel
         Color : bright yellow
         Texture : smooth
         Thickness : 0.93 mm
         Weight : 43.19 g
   Flesh/Pulp
      Color : orange
      Texture : smooth and firm
      Juiciness : juicy
      Fibers : scanty
      Aroma : mild
      Total Soluble Solids : 22.3°Brix
      Edible Portion : 79.56%

Seed
   Number
   Size
      Weight (g) : 29.73 g
      Length (mm) : 102.95 mm
      Width (mm) : 40.35 mm
      Thickness : 14.35 mm
      Shape : Ellipsoid

Other features of the variety
   Large fruits, excellent flavor, thin stone.
MANGO

Variety Name: “Guimaras Super” (Galila)
Common Name: Mango
Full name of owner/original: Cezar Galila
Location of tree: Sitio Ugatan, Brgy. Poblacion, Nueva Valencia, Guimaras
Method of propagation applicable: Cleft Grafting
Propagules to be supplied by: Cezar Galila

Varietal Description

Tree
Age (years after planting): 79 years
Height (m): 10 meters
Growth habit: Spreading
Vigor: Strong
Branching: Profuse
Fruiting season: April and May
Regularity of bearing: Biennial
Yield: 850 kg (2,300 fruits)

% Immature Grains: 1.5 Pr
Grain length (L in mm): 6.9 L
Grain shape (L/W): 3.0 I

Diseases/Insect Pests Reactions
R = Resistant
MR = Moderately Resistant
I = Intermediate
MS = Moderately Susceptible
S = Susceptible

Grain Quality Evaluation
H = High
M = Medium
HI = High Intermediate
I = Intermediate
F = Fair
G1 = Grade 1
G2 = Grade 2
Pr = Premium
L = Long
S = Slender
aa = beyond the standard values set

Agro – Climatic, Seasonal and Cultural Recommendation

Recommended in irrigated lowland particularly in Nueva Ecija, Bohol and Bukidnon during the wet and/or dry season; or areas of similar growing conditions as these NCT sites.

Other features of the variety
⇒ Comparable yield performance over PSB Rc72H
⇒ Early maturing
⇒ Resistant to blast
⇒ Intermediate to BLB, SHB, GLH, YSB
⇒ Intermediate amylose content
⇒ Good milling and headrice recovery
⇒ Has very high cooking expansion
⇒ Better preference score in the raw form over PSB Rc72H and PSB Rc28

Source of planting materials

SL Agritech
2nd Floor, Sterling Place Building, 2302 Pasong Tamo Extension, Makati City

Breeder seedstock available:

<table>
<thead>
<tr>
<th>Line</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>A line</td>
<td>50 kg</td>
</tr>
<tr>
<td>R line</td>
<td>50 kg</td>
</tr>
<tr>
<td>B line</td>
<td>50 kg</td>
</tr>
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</table>

Fruit

Whole fruit

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Length</th>
<th>Width</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>: 308.57 g</td>
<td>: 123.4 mm</td>
<td>: 71.91 mm</td>
<td>: 55.04 mm</td>
</tr>
</tbody>
</table>

Shape: Widely ellipsoid

Skin/Peel

<table>
<thead>
<tr>
<th>Color</th>
<th>Texture (surface)</th>
<th>Thickness</th>
<th>Weight</th>
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<tbody>
<tr>
<td>: orange-yellow</td>
<td>smooth and leathery</td>
<td>: 0.95 mm</td>
<td>: 34.84 g</td>
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</tbody>
</table>

Flesh/Pulp

<table>
<thead>
<tr>
<th>Color</th>
<th>Texture</th>
<th>Juiciness</th>
<th>Fibers</th>
<th>Aroma</th>
<th>Total Soluble Solids</th>
<th>Edible Portion</th>
</tr>
</thead>
<tbody>
<tr>
<td>: orange-yellow</td>
<td>: firm</td>
<td>: juicy</td>
<td>scanty</td>
<td>mild</td>
<td>: 19.46\text{\textdegree}Brix</td>
<td>: 80.12%</td>
</tr>
</tbody>
</table>

Seed

<table>
<thead>
<tr>
<th>Number</th>
<th>Weight (g)</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>: 1</td>
<td>: 25.23 g</td>
<td>: 96.13 mm</td>
<td>: 37.06 mm</td>
<td>: 14.06 mm</td>
</tr>
</tbody>
</table>

Other features of the variety

High edible portion. Very sweet and small and thin stone.
**MANGO**

**Variety Name**: "Tanaleon"

**Common Name**: Mango

**Original Variety Name**: Carabao

**Full name of owner/original**: Dominador T. Tanaleon

**Location of tree**: Camansi, Aguilar, San Lorenzo, Guimaras

**Method of propagation applicable**: Cleft Grafting

**Propagules to be supplied by**: Dominador T. Tanaleon

**Varietal Description**

**Tree**

- **Age (years after planting)**: 80 years
- **Height (m)**: 12 meters

**Growth habit**: Spreading

**Fruiting season**: April and May

**Regularity of bearing**: Biennial

**Yield**: 900 to 1,200 kg on on-years

---

**RICE**

**Pedigree Number**: PR30244-AC-9-1

**Local Name**: Tubigan 3

**NSIC Registration Number**: NSIC Rc130

**Background**

A. **Sponsoring Agency**: PhilRice

B. **Parents**: Traditional Wagwag (Anther Culture)

C. **Group/Researchers**: RVIG-PhilRice

**Varietal Characteristics**

A. **Yield (kg/ha)**

1. **Replicated Trials**

   - **TPR**
     - Dry season: 5069 (5612)
     - Wet season: 4817 (4892)
     - Across season: 4943 (5252)

   - **DWSR**
     - Dry season: 5164 (5399)
     - Wet season: 4515 (4714)
     - Across season: 4830 (5046)
B. Maturity (DAS)

TPR
Dry season : 108 (113)
Wet season : 107 (108)
Across season : 108 (111)

DWSR
Dry season : 106 (107)
Wet season : 101 (101)
Across season : 104 (105)

C. Plant Height (cm)

TPR
Dry season : 87 (88)
Wet season : 93 (94)
Across season : 89 (90)

DWSR
Dry season : 85 (87)
Wet season : 92 (92)
Across season : 87 (88)

D. Productive Tillers (no/hill)

TPR
Dry season : 14 (15)
Wet season : 14 (14)
Across season : 14 (15)

DWSR
Dry season : 232 (244)
Wet season : 215 (240)
Across season : 226 (242)

E. Spikelet Fertility (%) *
: 84.16

F. 1000 Grain Weight (g) *
: 21

( ) yield and agronomic traits data at high Nitrogen level in strip plot design

---

Fruit

Whole fruit

Size

Weight : 187.5 g
PD (mm) : 75 mm
ED (mm) : 89 mm
Shape : Obloid (necked)

Skin/Peel

Color : green-yellow
Texture (surface) : smooth
Thickness : 2.5 mm
Weight : 45.5 g

Flesh/Pulp

Color : yellow
Texture : soft
Juiciness : juicy
Total Soluble Solids : 11.8°Brix
Edible Portion : 75.73%

Seed

Number : 5
Size : small
Weight (g) : 1.0 g
Length (mm) : 10 mm
Width (mm) : 7 mm

Other features of the variety

Easily peeled and heavy bearing.
### CITRUS

- **Variety Name**: PONKAN
- **Common Name**: Ponkan mandarin
- **Original Variety Name**: Ponkan
- **Place of origin**: Taiwan
- **Full name of owner/original**: BPI-BNCRDC
- **Location of tree**: Baguio City
- **Method of propagation applicable**: Budding, Grafting
- **Propagated planting materials to be supplied by**: BPI-BNCRDC

#### Varietal Description

**Tree**
- **Age (years after planting)**: 8 years
- **Height (m)**: 1.5 meters
- **Growth habit**: Erect
- **Growth and vigor**: Strong
- **Fruiting season**: March-September
- **Regularity of bearing**: Annual
- **Yield (harvested per year)**: 12 kg/tree
  
  (container-grown in an insect proof screenhouse)

### G. Reactions to Diseases

- **Blast**: 4.96 I
- **Bacterial leaf blight**: 4.75 I
- **Sheath blight**: 6.22 I

#### Rice Tungro Virus

- **Modified**: 79.05 S
- **Induced**: 11.09 S

#### Insect Pests

- **Deadhearts (SB)**: 10.62 MR
- **Whiteheads (SB)**: 11.09 I
- **Green leafhopper**: 4.5 I
- **Yellow stemborer**: 7.0 MS
- **Brown planthopper**: 6.5 MS

### H. Grain Quality

#### Physico-chemical characteristics

- **% Amylose**: 18.3 L
- **% Protein**: -
- **G.T. Score**: 3.1 HI/L

#### Milling Potentials

- **% Brown Rice**: 76.2 F
- **% Milling Recovery**: 65.4 G1
- **% Head Rice**: 41.3 G2

#### Physical Attributes

- **% Chalky Grains**: 5.7 G2
- **% Immature Grains**: 0.0 Pr
- **Grain length (L in mm)**: 6.7 L
- **Grain shape (L/W)**: 3.1 S

### Diseases/Insect Pests Reactions

- **R** = Resistant
- **MR** = Moderately Resistant
- **I** = Intermediate
- **MS** = Moderately Susceptible

* Data taken from PhilRice, Isabela.
Grain Quality Evaluation

- **H** = High
- **M** = Medium
- **HI** = High Intermediate
- **I** = Intermediate
- **F** = Fair
- **G1** = Grade 1
- **G2** = Grade 2
- **Pr** = Premium
- **L** = Long
- **S** = Slender
- ( ) = IR64

Agro - Climatic, Seasonal and Cultural Recommendation

- Irrigated lowland, DS and WS both for transplanting and direct seeding condition.

Other features of the variety

- Photoperiod insensitive
- Yield advantage of 5.3% during the WS over the check variety, PSB Rc28 under transplanting culture.
- Early maturing
- Fairly acceptable yield performance both for TPR and DWSR culture
- Intermediate to Blast, BLB, SHB, GLH and Whiteheads
- Moderately resistant to Deadhearts
- Acceptable milling recovery

Yield (harvested per year) : 20 kg/tree
(container-grown in an insect proof screenhouse)

**Fruit**

- Whole fruit
  - Weight : 302 g
  - PD (mm) : 73.75 mm
  - ED (mm) : 87.0 mm
  - Shape : Obloid (necked)

- **Skin/Peel**
  - Color : yellow
  - Texture (surface) : smooth
  - Thickness : 2.5 mm
  - Weight : 73 g

- **Flesh/Pulp**
  - Color : orange-yellow
  - Texture : soft
  - Juiciness : moderate
  - Total Soluble Solids : 11.0°Brix
  - Edible Portion : 75.71%

- **Seed**
  - Number : 3
  - Size : small
  - Weight (g) : 1 g
    - Length (mm) : 8 mm
    - Width (mm) : 5.5 mm

Other features of the variety

Easily peeled and heavy bearer.
CITRUS

Variety Name: PONKAN
Common Name: Ponkan mandarin
Original Variety Name: Ponkan
Place of origin: Riverside, California
Full name of owner/original: BPI-BNCRDC
Location of tree: Baguio City
Method of propagation applicable: Budding, Grafting
Propagated planting materials to be supplied by: BPI-BNCRDC

Varietal Description

Tree
- Age (years after planting): 8 years
- Height (m): 1.5 meters
- Growth habit: Drooping
- Growth and vigor: Strong
- Fruiting season: March-September
- Regularity of bearing: Annual

Source of planting materials
- Philippine Rice Research Institute
  Maligaya Muñoz, Nueva Ecija

Breeder seedstock available:
- 50 kg
RICE

Pedigree Number: PR26645-B-7 (A)
Local Name: Mabango 1
NSIC Registration Number: NSIC Rc128

Background

A. Sponsoring Agency: PhilRice
B. Parents: BPI Ri3/TQDQQ/*BPI Ri1
C. Group/Researchers: RVIG-PhilRice

Varietal Characteristics

A. Yield (kg/ha)
  1. Replicated Trials
     NCT-SP
        Dry season: 5501
        Wet season: 5452
        Across season: 5485
     MAT-SP
        Dry season: 4822
        Wet season: 4692

Fruit

Whole fruit
Size
  Weight: 753 g
  PD (mm): 118.5 mm
  ED (mm): 115.25 mm
Shape: Pyriform
Skin/Peel
  Color: light-yellow
Texture (surface)
  smooth
Thickness: 17 mm
Weight: 300 g
Flesh/Pulp
  Color: pink
  Texture: soft
  Juiciness: medium
  Total Soluble Solids: 11.18°Brix
  Edible Portion: 57.16%
  No. of segments: 12
Seed
  Number: seedless

Other features of the variety

Easily peeled, no after-taste; non-adherence of rags to vesicles.
### CITRUS

**Variety Name**: “Magallanes”  
**Common Name**: Pummelo  
**Original Variety Name**: “Amoy Mantan”  
**Place of origin**: Davao City  
**Full name of owner/original**: Unknown  
**Location of tree**: BPI-Baguio City  
**Method of propagation applicable**: Budding, Grafting  
**Propagated planting materials to be supplied by**: BPI-BNCRDC

#### Varietal Description

**Tree**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (years after planting)</td>
<td>8 years</td>
</tr>
<tr>
<td>Height (m)</td>
<td>1.5 meters</td>
</tr>
<tr>
<td>Growth habit</td>
<td>Spreading</td>
</tr>
<tr>
<td>Growth and vigor</td>
<td>Strong</td>
</tr>
<tr>
<td>Fruiting season</td>
<td>April-October</td>
</tr>
<tr>
<td>Regularity of bearing</td>
<td>Annual</td>
</tr>
<tr>
<td>Yield (harvested per year)</td>
<td>20 fruits/tree</td>
</tr>
<tr>
<td>(container-grown)</td>
<td></td>
</tr>
</tbody>
</table>

**Across season**: 4762

#### B. Maturity (DAS)

<table>
<thead>
<tr>
<th></th>
<th>Dry season</th>
<th>Wet season</th>
<th>Across season</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Maturity (DAS)</td>
<td>118</td>
<td>118</td>
<td>118</td>
</tr>
</tbody>
</table>

#### C. Plant Height (cm)

<table>
<thead>
<tr>
<th></th>
<th>Dry season</th>
<th>Wet season</th>
<th>Across season</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. Plant Height (cm)</td>
<td>93</td>
<td>106</td>
<td>99</td>
</tr>
</tbody>
</table>

#### D. Productive Tillers (no/hill)

<table>
<thead>
<tr>
<th></th>
<th>Dry season</th>
<th>Wet season</th>
<th>Across season</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Productive Tillers (no/hill)</td>
<td>15</td>
<td>13</td>
<td>14</td>
</tr>
</tbody>
</table>

#### E. Spikelet Fertility (%)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Spikelet Fertility (%)</td>
<td>84.81</td>
</tr>
</tbody>
</table>

#### F. 1000 Grain Weight (g)

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>F. 1000 Grain Weight (g)</td>
</tr>
</tbody>
</table>

* Data taken from PhilRice, Isabela

#### G. Reactions to Diseases

<table>
<thead>
<tr>
<th>Disease</th>
<th>Blast</th>
<th>Bacterial leaf blight</th>
<th>Sheath blight</th>
<th>Rice Tungro Virus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified</td>
<td>6.64 S</td>
<td>5.56 I</td>
<td>6.38 I</td>
<td>88.74</td>
</tr>
<tr>
<td>Induced</td>
<td>79.48</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Insect Pests

<table>
<thead>
<tr>
<th>Pest</th>
<th>Deadhearts (SB)</th>
<th>Whiteheads (SB)</th>
<th>Green leafhopper</th>
<th>Yellow stemborer</th>
<th>Brown planthopper</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8.41 R</td>
<td>14.7 I</td>
<td>7.83 MS</td>
<td>7.0 MS</td>
<td>7.5 MS</td>
</tr>
</tbody>
</table>
H. Grain Quality

Physico-chemical characteristics

% Amylose : 17.5 L
% Protein : —
G.T. Score : 4.3 L/Hi/I

Milling Potentials

% Brown Rice : 75.7 F
% Milling Recovery : 67.0 G1
% Head Rice : 50.2 G1

Physical Attributes

% Chalky Grains : 5.7 G2
% Immature Grains : 0.0 Pr
Grain length (L in mm) : 6.7 L
Grain shape (L/W) : 3.1 S

Diseases/Insect Pests Reactions

R = Resistant
MR = Moderately Resistant
I = Intermediate
MS = Moderately Susceptible
S = Susceptible

Grain Quality Evaluation

H = High
M = Medium
HI = High Intermediate
I = Intermediate
F = Fair
G1 = Grade 1
G2 = Grade 2
Pr = Premium
L = Long
S = Slender

Fruit

Whole fruit

Size
- Weight : 220 g
- PD (mm) : 67.2 mm
- ED (mm) : 86.4 mm
- Shape : Obloid
  (with or without neck)

Skin/Peel

- Color : green-yellow
- Texture (surface) : smooth
- Thickness : 2.6 mm
- Weight : 45 g

Flesh/Pulp

- Color : orange
- Texture : soft
- Juiciness : juicy
- Total Soluble Solids : 12.5°Brix
- Edible Portion : 77%

Seed

- Number : 15
- Size
  - Weight (g) : 3 g
  - Length (mm) : 8 mm
  - Width (mm) : 5.5 mm
  - Shape : Ovoid
  - Color : Cream

Other features of the variety

The variety has distinct flavor and aroma, very sweet, juicy and attractive orange-colored flesh.
FRUIT CROPS
CITRUS

Variety Name: GAYUNAN
Common Name: Gayunan mandarin
(Kalinga orange)

Original Variety Name: Gayunan
Place of origin: Pasil, Kalinga
Full name of owner/original: Mr. Joseph Ganagan
Location of tree: Baguio City
Method of propagation applicable: Budding, Grafting
Propagated planting materials to be supplied by: BPI-BNCRDC

Varietal Description
Tree
Age (years after planting): 20 years
Height (m): 5 meters
Growth habit: Erect
Growth and vigor: Strong
Fruiting season: March-October
Regularity of bearing: Annual
Yield (harvested per year): Ave. 60 kg./tree

Agro - Climatic, Seasonal and Cultural Recommendation
Irrigated lowland, dry and wet season.

Other features of the variety
⇒ Slightly aromatic
⇒ Combined yield advantage of 13.4% over the check variety, IR841-85.
⇒ Intermediate to BLB, SHB, and Whiteheads.
⇒ Resistant to Deadhearts
⇒ Good milling and headrice recovery
⇒ Highly acceptable in cooked and raw forms

Source of planting materials
Philippine Rice Research Institute
Maligaya, Munoz,
Nueva Ecija

Breeder seedstock available:
50 kg.
RICE

Pedigree Number: C4063-2B-7-1-1 (G)
Local Name: Malagkit 1
NSIC Registration Number: NSIC Rc13

Background
A. Sponsoring Agency: UPLB
B. Parents: RP1125-606/IR45131-59-2-3-2-3
C. Group/Researchers: UPLB and RVIG-PhilRice

Varietal Characteristics
A. Yield (kg/ha)
   1. Replicated Trials
      Dry season: 4764
      Wet season: 4480
      Across season: 4650

B. Maturity (DAS)
   Dry season: 121
   Wet season: 119

Flavor: 2.3
Acceptability: 5.0

Reaction to insect pests and diseases
Moderately resistant to leaf miner, late blight and bacterial wilt.

Agro-climatic, seasonal and cultural adaptation
Generally performs well in hilly conditions with soil of adequate fertility and moisture.

Other features of the variety
Good eating quality, high dry matter and moderately resistant to leaf miner and late blight.
**POTATO**

NSIC Registration Number: NSIC BSU PO-7  
Variety Name: IP 84004.7  
Popular Name: Ganza  
Sponsoring Agency/Station: NPRCRTC-Benguet State University (BSU) La Trinidad, Benguet

### Varietal Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuber yield (t/ha)</td>
<td>19.68</td>
</tr>
<tr>
<td>Dry matter content (%)</td>
<td>17.18</td>
</tr>
<tr>
<td>Tuber skin color</td>
<td>cream</td>
</tr>
<tr>
<td>Tuber flesh color</td>
<td>light yellow</td>
</tr>
<tr>
<td>Growth habit</td>
<td>slightly spreading</td>
</tr>
<tr>
<td>Foliage color</td>
<td>green</td>
</tr>
<tr>
<td>Shape of tubers</td>
<td>oval-oblong</td>
</tr>
<tr>
<td>Depth of eyes</td>
<td>shallow-medium</td>
</tr>
<tr>
<td>Sensory quality of chips</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>5.67</td>
</tr>
<tr>
<td>Appearance</td>
<td>5.67</td>
</tr>
<tr>
<td>Crispiness</td>
<td>4.0</td>
</tr>
<tr>
<td>Oiliness</td>
<td>2.33</td>
</tr>
</tbody>
</table>

### Across season: 120

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Height (cm)</td>
<td>86</td>
</tr>
<tr>
<td>Wet season</td>
<td>99</td>
</tr>
<tr>
<td>Across season</td>
<td>92</td>
</tr>
</tbody>
</table>

### D. Productive Tillers (no/hill)

<table>
<thead>
<tr>
<th>Season</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry season</td>
<td>18</td>
</tr>
<tr>
<td>Wet season</td>
<td>15</td>
</tr>
<tr>
<td>Across season</td>
<td>17</td>
</tr>
</tbody>
</table>

### E. Spikelet Fertility (%) *

| Value | 78.25 |

### F. 1000 Grain Weight (g) *

| Value | 21.07 |

* Data taken from PhilRice, Isabela

### G. Reactions to Diseases

<table>
<thead>
<tr>
<th>Disease</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blast</td>
<td>6.60 S</td>
</tr>
<tr>
<td>Bacterial leaf blight</td>
<td>4.78 I</td>
</tr>
<tr>
<td>Sheath blight</td>
<td>7.30 S</td>
</tr>
<tr>
<td>Rice Tungro Virus</td>
<td></td>
</tr>
<tr>
<td>Modified</td>
<td>66.96 S</td>
</tr>
<tr>
<td>Induced</td>
<td>70.50 S</td>
</tr>
<tr>
<td>Insect Pests</td>
<td></td>
</tr>
<tr>
<td>Whiteheads (SB)</td>
<td>12.46 I</td>
</tr>
<tr>
<td>Green leafhopper</td>
<td>8.0 MS</td>
</tr>
<tr>
<td>Yellow stemborer</td>
<td>6.0 I</td>
</tr>
<tr>
<td>Brown planthopper</td>
<td>8.0 MS</td>
</tr>
</tbody>
</table>

### H. Grain Quality

<table>
<thead>
<tr>
<th>Physico-chemical characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Amylose</td>
<td>4.5 VL</td>
</tr>
<tr>
<td>% Protein</td>
<td>—</td>
</tr>
<tr>
<td>G.T. Score</td>
<td>6.0 L</td>
</tr>
</tbody>
</table>
**Milling Potentials**

- % Brown Rice: 74.3 P
- % Milling Recovery: 64.5 G2
- % Head Rice: 50.2 G1

**Physical Attributes**

- % Non-Chalky Grains: 2.9 G1
- % Immature Grains: 0.3 Pr
- Grain length (L in mm): 6.0 M
- Grain shape (L/W): 2.9 I

**Diseases/Insect Pests Reactions**

- R = Resistant
- MR = Moderately Resistant
- I = Intermediate
- MS = Moderately Susceptible
- S = Susceptible

**Grain Quality Evaluation**

- H = High
- M = Medium
- HI = High Intermediate
- I = Intermediate
- F = Fair
- G1 = Grade 1
- G2 = Grade 2
- Pr = Premium
- L = Long
- S = Slender

**Agro - Climatic, Seasonal and Cultural Recommendation**

Irrigated lowland, dry and wet season.

**Other features of the variety**

- 13.6% yield advantage during the dry season over the check variety, IR65
- Intermediate to BLB, YSB, and Stemborer (Whiteheads)

**Reaction to insect pests and diseases**

Resistant to leaf blight disease.

**Agro-climatic, seasonal and cultural adaptation**

This can be grown in all regions of the Philippines. Planting will start during rainy season in the upland and highland areas and anytime of the year in the lowland areas.

**Other features of the variety**

The variety is particularly suited for lowland production; it characteristically produces high dry matter which is not obtained by other varieties under lowland cultivation. Also, the variety has a strong purple flesh when cooked due to its dominant streaks of purple fibers evenly distributed on the corm/tuber.
**GABI**

NSIC Registration Number : NSIC G-9
Variety Name : GS-385
Sponsoring Agency/Station : PhilRootcrops, LSU
Baybay, Leyte

**Varietal Characteristics**

Yield (t/ha) : 8.85
Plant stand (%) : 89.51
Dry matter content (%) : 44.07
Maturity period : 8 months
General acceptability : like moderately
Corm skin color : dark purple
Corm cortex color : purple
Corm flesh color : white with dominant streaks of purple fibers
Growth habit : tall, erect, produces rhizomes
Foliage color : dark green leaves, dark purple petiole

⇒ Acceptable milling and head rice recovery
⇒ Better preference score and acceptability rating in cooked form than IR65

Source of planting materials

UPLB and PhilRice
University of the Philippines at Los Banos and Philippine Rice Research Institute, Maligaya, Munoz, Nueva Ecija

Breeder seedstock available:

50 kg
RICE

Pedigree Number : PR25965-14-3 (G)
Local Name : Malagkit 2
NSIC Registration Number : NSIC Rc15

Background
A. Sponsoring Agency : PhilRice
B. Parents : TAICHUNG SEN YU 10/0. RUFIPOGON
C. Group/Researchers : RVIG-PhilRice

Varietal Characteristics
A. Yield (kg/ha)
   1. Replicated Trials
      Dry season : 6665
      Wet season : 4910
      Across season : 5412
B. Maturity (DAS)
   Dry season : 126
   Wet season : 119

Agro-climatic, seasonal and cultural adaptation
Generally performs well in flat and hilly conditions of the Philippines with adequate soil fertility and moisture.

Other features of the variety
Good eating quality, high dry matter, starch and resistant to scab and moderately resistant to weevil.
SWEET POTATO

NSIC Registration Number: NSIC Sp-30
Variety Name: JK 027
Popular Name: LSU Light Orange
Sponsoring Agency/Station: PhilRootcrops, LSU Baybay, Leyte

Varietal Characteristics

Root yield (tons/ha): 13.42
% Root dry matter: 31.71
% Root starch: 19.27
% Root sugar: 3.47
Scab rating: R
Weevil rating: MR
Tuber skin color: brownish brown
Tuber flesh color: yellow orange
Foliage color: purplish green
Root flesh color: creamy white
Root shape: elliptic

Across season: 121
C. Plant Height (cm)
Dry season: 85
Wet season: 108
Across season: 100

D. Productive Tillers (no/hill)
Dry season: 16
Wet season: 13
Across season: 14

E. Reactions to Diseases
Blast: 6.50 I
Bacterial leaf blight: 4.65 I
Sheath blight: 6.19 I
Rice Tungro Virus
Modified: 75.79 S
Induced: 68.55 S

Insect Pests
Deadhearts (SB): -
Whiteheads (SB): 12.89
Green leafhopper: 8.25 MS
Yellow stemborer: 6.00 I
Brown planthopper: 8.75 S

F. Grain Quality
Physico-chemical characteristics
% Amylose: 5.1 VL
% Protein: -
G.T. Score: 6.1 L

Milling Potentials
% Brown Rice: 76.9 F
% Milling Recovery: 69.0 G1
% Head Rice: 55.0 G1

Physical Attributes
% Non-Chalky Grains: 9.1 G2
% Immature Grains : 0.0 Pr
Grain length (L in mm) : 6.3 M
Grain shape (L/W) : 2.8 I

Diseases/Insect Pests Reactions
R = Resistant
MR = Moderately Resistant
I = Intermediate
MS = Moderately Susceptible
S = Susceptible

Grain Quality Evaluation
H = High
M = Medium
HI = High Intermediate
I = Intermediate
F = Fair
G1 = Grade 1
G2 = Grade 2
Pr = Premium
L = Long
S = Slender

DS = samples taken from PhilRice, Los Baños
WS = samples taken from PhilRice, Batac

Agro-climatic, seasonal and cultural adaptation
Adapted for growing in all regions in the Philippines.

Other features of the variety
Root yield in between the two checks (slightly lower than PSB Sp-17 and slightly higher than NSIC Sp-23) and so is the root dry matter content (higher than PSB Sp-17 and lower than NSIC Sp-23) and, thus, on the average, has about the same dry matter yield as the two checks. It should, therefore, be an alternative to either PSB Sp-17 as a table variety (it is slightly acceptable because of its drier flesh) or to NSIC Sp-23 as a starch variety (higher fresh root yield and though slightly lower in dry matter yield, starch content even slightly higher and it has almost white root flesh).

Agro - Climatic, Seasonal and Cultural Recommendation
Irrigated lowland, dry and wet season.

Other features of the variety
⇒ High yield especially during the dry season
⇒ With a combined yield advantage of 12.3% over IR65
⇒ Wider spectrum of resistance against disease and insect
⇒ Yellow Stemborer
⇒ Acceptable grain qualities
SWEET POTATO

NSIC Registration Number: NSIC Sp-29
Variety Name: SG98-18-01
Popular Name: UPL Sp-9
Sponsoring Agency/Station: University of the Philippines, Los Baños, Laguna

Varietal Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root yield (tons/ha)</td>
<td>12.0</td>
</tr>
<tr>
<td>% Root dry matter</td>
<td>32.5</td>
</tr>
<tr>
<td>% Root starch</td>
<td>21.1</td>
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<tr>
<td>Root sugar</td>
<td>3.02</td>
</tr>
<tr>
<td>Scab rating</td>
<td>MR</td>
</tr>
<tr>
<td>Weevil rating</td>
<td>MR</td>
</tr>
<tr>
<td>Root skin color</td>
<td>light purple/red</td>
</tr>
<tr>
<td>Root flesh color</td>
<td>creamy white</td>
</tr>
<tr>
<td>Root shape</td>
<td>elliptic</td>
</tr>
<tr>
<td>Maturity (no. of days)</td>
<td>120</td>
</tr>
</tbody>
</table>

Source of planting materials
Philippine Rice Research Institute
Maligaya Munoz, Nueva Ecija

Breeder seedstock available:
50 kg.
RICE

Pedigree Number : PR25959-3-3-4-4-1 (G)
Local Name : Malagkit 3
NSIC Registration Number : NSIC Rc17

Background

A. Sponsoring Agency : PhilRice
B. Parents : CT6584/PSB Rc8
C. Group/Researchers : RVIG-PhilRice

Varietal Characteristics

A. Yield (kg/ha)
   1. Replicated Trials
      NCT-SP
      Dry season : 6271
      Wet season : 2883
      Across season : 4238
      MAT-SP
      Dry season : 4237
      Wet season : 4410
      Across season : 4323

Agro-climatic, seasonal and cultural adaptation

Adapted for growing in all regions in the Philippines.

Other features of the variety

Root yield slightly lower than the one of the checks (PSB Sp-17) but has higher root dry matter content than the check, which makes the dry matter yield of the nominated variety slightly higher. Furthermore, nominated variety has the same root yield, fresh and dry, as the other check (NSIC Sp-23), and, therefore, should be an alternative to it as a starch variety, maybe a more preferred one for this purpose because of its lighter flesh color (almost white; NSIC Sp-23 has yellow flesh).
SWEET POTATO

NSIC Registration Number: NSIC Sp-28
Variety Name: SG98-03-02
Popular Name: UPL Sp-7
Sponsoring Agency/Station: University of the Philippines, Los Baños, Laguna

Varietal Characteristics

- Root yield (tons/ha): 11.1
- % Root dry matter: 35.5
- % Root starch: 21.1
- % Root sugar: 2.06
- Scab rating: R
- Weevil rating: R
- Root skin color: cream
- Root flesh color: creamy white
- Root shape: elliptic
- Maturity (no. of days): 120

B. Maturity (DAS)
- Dry season: 118
- Wet season: 116
- Across season: 117

C. Plant Height (cm)
- Dry season: 85
- Wet season: 96
- Across season: 91

D. Productive Tillers (no/hill)
- Dry season: 14
- Wet season: 14
- Across season: 14

E. Spikelet Fertility (%) *
- 90.97

F. 1000 Grain Weight (g) *
- 26.73

* Data taken from PhilRice Isabela

G. Reactions to Diseases
- Blast: 5.20 I
- Bacterial leaf blight: 6.46 I
- Sheath blight: 6.16 I
- Rice Tungro Virus
  - Modified: 44.19 I
  - Induced: 85.00 S

Insect Pests
- Deadhearts (SB): -
- Whiteheads (SB): 14.8 I
- Green leafhopper: 7.25 MS
- Yellow stemborer: 6.01 I
- Brown planthopper: 8.25 MS
H. Grain Quality

**Physico-chemical characteristics**
- % Protein : 6.6
- Gel Consistency : -
- G.T. Score : 6.0 L

**Milling Potentials**
- % Brown Rice : 73.6 P
- % Milling Recovery : 65.3 G1
- % Head Rice : 43.3 G2

**Physical Attributes**
- % Non-Chalky Grains : 1.9 Pr
- % Immature Grains : 1.1 Pr
- % Brown Rice : 73.6 P
- % Milling Recovery : 65.3 G1
- % Head Rice : 43.3 G2

**Physical Attributes**
- % Non-Chalky Grains : 1.9 Pr
- % Immature Grains : 1.1 Pr
- Grain length (L in mm) : 6.5 M
- Grain shape (L/W) : 2.8 I

**Diseases/Insect Pests Reactions**
- R = Resistant
- MR = Moderately Resistant
- I = Intermediate
- MS = Moderately Susceptible
- S = Susceptible

**Grain Quality Evaluation**
- H = High
- M = Medium
- HI = High Intermediate
- I = Intermediate
- F = Fair
- G1 = Grade 1
- G2 = Grade 2
- Pr = Premium
- L = Long

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Reaction to pests and diseases

Resistant to scale insects, mites, brown leaf spot and cassava bacterial blight.

Agro-climatic, seasonal and cultural adaptation

The nominated variety can be grown in all regions of the Philippines.

Other features of the variety

OMR 36-05-09 has high root dry matter content, and starch content; low HCN content; and resistant to pests and diseases.
CASSAVA

NSIC Registration Number : NSIC Cv-28
Variety Name : OMR 36-05-09
Sponsoring Agency/Station : PhilRootcrops
                          : Leyte State University (LSU)
                          : Baybay, Leyte

Varietal Characteristics

Root yield (tons/ha) : 29.1
% Root dry matter : 40.1
% Root starch : 27.0
Root HCN rating : 3.8
Root peduncle length (cm) : 2.4
Maturity period (month) : 10-12
Root skin color : dark brown
Root cortex color : cream
Root flesh color : white
Stem color : dark brown
Foliation color : green older leaves & purple-green
                 younger leaves
Growth habit : erect or slightly branching

S = Slender

Agro - Climatic, Seasonal and Cultural Recommendation

Irrigated lowland, dry and wet season.

Other features of the variety

⇒ With positive yield advantage of 7.2% across season over IR65
⇒ Intermediate to Blast, BLB, SHB, RTV modified, YSB and White heads
⇒ Good milling and headrice recovery
⇒ Acceptable both in cooked and raw forms

Source of planting materials

Philippine Rice Research Institute
Maligaya Munoz,
Nueva Ecija

Breeder seedstock available:

50 kg
CORN

NSIC Registration Number : NSIC Cn 2004-145
Commercial Name : DEKALB 9051
Recommendation : RCR-National
Breeder : MONSANTO Phils., Inc.

7th Flr. Ayala Life FGU Center
Alabang-Zapote Rd., cor. Acacia
Ave., Madrigal Business Park,
Alabang, 1770 Muntinlupa City

Varietal Characteristics
Yield (t/ha) : 7.68
Maturity (days) : 104.00 (DS) ; 102.00 (WS)
Plant Height (cm) : 217.00 (DR) ; 215.00 (WS)
Ear Length (cm) : 16.00
Shelling Recovery (%) : 79.00

Reaction to insect pests and diseases
Resistant to moderately resistant to borer and resistant to rust,
stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptation
The nominated variety can be grown in all regions of the Philippines.

Other features of the variety
Its fresh root yield is slightly higher than the check variety with the
same dry matter and starch contents and just like the check, is
moderately resistant to major cassava pests. Its moderate root HCN
content makes it a safer ingredient than current recommended industrial
varieties that are also utilized as feed.
ROOT CROPS
CASSAVA

NSIC Registration Number : NSIC Cv-27
Variety Name : CM9158-4
Popular name : Datu 2
Sponsoring agency/station : University of the Philippines, Los Baños, Laguna

Varietal Characteristics

Root yield (tons/ha) : 37.2
% Root dry matter : 39.1
% Root starch : 27.1
Root HCN rating : 4.2
Leaf spot rating : 1.8
CBB rating : 1.3
Mites rating : 2.2
Scale insects rating : 1.8
Maturity : 10

Agro-climatic, seasonal and cultural adaptations

Dekalb 9051 is highly adapted to agro-climatic conditions prevailing in major and potential corn growing areas in the country. It performs very well during the wet and dry season. This variety can be planted at relatively high population density due to its semi-erect foliage.

Other features of the variety

High yield potential (highest yield obtained: 11 tonnes/ha). Excellent “stay green” leaf characteristics. Excellent ear fill and husk characteristics. Early maturing.
**CORN**

**NSIC Registration Number**: NSIC Cn 2004-147
**Commercial Name**: 30B80 (X1380B)
**Recommendation**: Regional (Luzon & Visayas)
**Breeder**: PIONEER HI-BRED Phils., Inc.  
National Highway, Katangawan, General Santos City 9500

**Varietal Characteristics**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yield (t/ha)</td>
<td>7.91</td>
</tr>
<tr>
<td>Maturity (days)</td>
<td>105.00 (DS) ; 103.00 (WS)</td>
</tr>
<tr>
<td>Plant Height (cm)</td>
<td>154.00 (DR) ; 181.00 (WS)</td>
</tr>
<tr>
<td>Ear Length (cm)</td>
<td>18.00</td>
</tr>
<tr>
<td>Shelling Recovery (%)</td>
<td>82.00</td>
</tr>
</tbody>
</table>

**Reaction to insect pests and diseases**

Resistant to borer, rust, stalkrot and earworm.

**Other features of the variety**

The new variety has out-yielded the check by 7.3%. Early maturing which makes it adaptable to short growing seasons.
CORN

NSIC Registration Number: NSIC Cn 2004-162
Commercial Name: IES Glut 4
Recommendation: RCR-National Breeder: Cagayan Valley Integrated Agricultural Research Center (CVIARC) Ilagan, Isabela

Varietal Characteristics

Yield (t/ha) : 5.30
Maturity (days) : 98.00 (DS) ; 97.00 (WS)
Plant Height (cm) : 189.00 (DR) ; 209.00 (WS)

Reaction to insect pests and diseases

Resistant to borer, rust, stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new hybrid has highly adapted to the major and potential corn growing areas in Luzon. It can be grown during the wet and dry season.

Other features of the variety

The new hybrid has high yield potential. Maximum yield (about 11 tonnes/ha) was obtained in Ilagan, Isabela. Higher shelling recovery than the check. Longer than the check. Short which confers stalk lodging resistance in windy areas.
**CORN**

**NSIC Registration Number**: NSIC Cn 2004-149  
**Commercial Name**: NK 8860  
**Recommendation**: Regional-Luzon  
**Breeder**: Syngenta Phils., Inc.  
Bldg. 1-B, Sunblest Compound  
Km. 23, West Service Rd., Cpng,  
Bldg., San Pedro St.,  
Lagao, General Santos City 9500

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**Varietal Characteristics**

- **Yield (t/ha)**: 7.21  
- **Maturity (days)**: 103.00 (DS); 105.00 (WS)  
- **Plant Height (cm)**: 226.00 (DR); 229.00 (WS)  
- **Ear Length (cm)**: 18.00  
- **Shelling Recovery (%)**: 73.00

**Reaction to insect pests and diseases**

- Resistant to moderately resistant to borer and resistant to rust, stalkrot and earworm.

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**Agro-climatic, seasonal and cultural adaptations**

The new variety is suitable for wet and dry season planting in Luzon, and fits well in lowland and rice-corn cropping pattern.

**Other features of the variety**

The new variety out-yielded the check by 5.3%. High yielding OPV (highest yield obtained was 8.53 tonnes/ha in batac, Ilocos Norte). Slightly shorter than the check which may make it more tolerant to lodging.
CORN

NSIC Registration Number : NSIC Cn 2004-161
Commercial Name : IES Cn 5
Recommendation : Regional-Luzon
Breeder : Cagayan Valley Integrated Agricultural Research Center (CVIARC) Ilagan, Isabela

Varietal Characteristics

Yield (t/ha) : 6.39
Maturity (days) : 105.00 (DS) ; 100.00 (WS)
Plant Height (cm) : 128.00 (DR) ; 176.00 (WS)
Ear Length (cm) : 16.00
Shelling Recovery (%) : 72.00

Reaction to insect pests and diseases

Resistant to borer, rust, stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new variety can be grown both in the dry and wet season. Higher yield, however, can be expected during the dry season provided that water is not a limiting factor.

Other features of the variety

The new hybrid has an average yield of 7.2 tonnes/ha in Mindanao. Has slightly longer ears than the check. Possesses resistance to major foliar and stalk diseases.
CORN

NSIC Registration Number : NSIC Cn 2004-150
Commercial Name : BIOSEED 9888
Recommendation : Regional—Mindanao
Breeder : BIOSEED Research Phils., Inc.
G/F Animas Bldg.
San Pedro St., Lagao,
General Santos City 9500

Varietal Characteristics

Yield (t/ha) : 7.21
Maturity (days) : 103.00 (DS) ; 105.00 (WS)
Plant Height (cm) : 226.00 (DR) ; 229.00 (WS)
Ear Length (cm) : 18.00
Shelling Recovery (%) : 73.00

Reaction to insect pests and diseases

Resistant to moderately resistant to borer and resistant to rust, stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new white hybrid is suitable for wet and dry season planting in the Visayas.

Other features of the variety

The hybrid had out-yielded the check by 9.4%. Has very good ear fill characteristic. Has higher shelling recovery than the check. Similar to USMARC TX010, the release of this variety may improve white corn production in the Visayas.
CORN

NSIC Registration Number: NSIC Cn 2004-160
Commercial Name: USMARC TX012
Recommendation: Regional-Visayas
Breeder: University of Southern Mindanao Agricultural Research Center (USMARC) USM, Kabacan, North Cotabato

Varietal Characteristics

Yield (t/ha): 5.34
Maturity (days): 102.00 (DS); 104.00 (WS)
Plant Height (cm): 206.00 (DR); 215.00 (WS)
Ear Length (cm): 10.00
Shelling Recovery (%): 74.00

Reaction to insect pests and diseases

Resistant to moderately susceptible to borer and resistant to rust, stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new variety can be grown both in the dry and wet season. Higher yield, however, can be expected during the dry season provided that water is not a limiting factor.

Other features of the variety

The new hybrid has an average yield of 7.2 tones/ha in Mindanao. Has slightly longer ears than the check. Possesses resistance to major foliar and stalk diseases.
CORN

NSIC Registration Number: NSIC Cn 2004-151
Commercial Name: BIOSEED 9909
Recommendation: Regional-Mindanao
Breeder: BIOSEED Research Phils., Inc.
G/F Animas Bldg., San Pedro St.,
Lagao, General Santos City 9500

Varietal Characteristics

Yield (t/ha): 7.27
Maturity (days): 100.00 (DS); 100.00 (WS)
Plant Height (cm): 203.00 (DR); 159.00 (WS)
Ear Length (cm): 17.00
Shelling Recovery (%): 76.00

Reaction to insect pests and diseases

Resistant to moderately resistant to borer and resistant to rust,
stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new white hybrid is suitable for wet and dry season planting in
the Visayas.

Other features of the variety

The new white hybrid has out-yielded the check by 4%. Has higher
shelling recovery than the check. Has excellent ear fill characteristic. The
release of this variety shall enable farmers to increase white corn
production in the Visayas.
CORN

NSIC Registration Number: NSIC Cn 2004-159
Commercial Name: USMARC TX010
Recommendation: Regional-Visayas
Breeder: University of Southern Mindanao Agricultural Research Center (USMARC) USM, Kabacan, North Cotabato

Varietal Characteristics

Yield (t/ha) : 5.08
Maturity (days) : 102.00 (DS) ; 103.00 (WS)
Plant Height (cm) : 200.0 (DR) ; 219.00 (WS)
Ear Length (cm) : 14.00
Shelling Recovery (%) : 80.00

Reaction to insect pests and diseases

Resistant to moderately susceptible to borer, moderately resistant to rust and resistant to stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new hybrid can be grown during the wet and dry season in the major corn growing areas in Mindanao.

Other features of the variety

The new hybrid out-yielded the check by 5.3%. Has very good ear fill characteristic. Early maturing, which is desirable in areas with short-growing period.
CORN

NSIC Registration Number : NSIC Cn 2004-152
Commercial Name : BIOSEED 9744
Recommendation : Regional-Visayas
Breeder : MONSANTO Phils., Inc.
           BIOSEED Research Phils., Inc.
           G/F Animas Bldg., San Pedro St.,
           Lagao, General Santos City 9500

Varietal Characteristics

Yield (t/ha) : 5.15
Maturity (days) : 101.00 (DS) ; 99.00 (WS)
Plant Height (cm) : 158.00 (DR) ; 194.00 (WS)
Ear Length (cm) : 14.00
Shelling Recovery (%) : 72.00

Reaction to insect pests and diseases

Resistant to borer, rust, stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new hybrid is adapted to wet and dry season planting not only in traditional corn growing areas but also in potential corn growing areas in Luzon.

Other features of the variety

The new variety has out-yielded the check by 2.35%. Excellent husk characteristic (easy to dehusk and fully covers the cob). Suitable for growing after lowland rice.
CORN

NSIC Registration Number : NSIC Cn 2004-158
Commercial Name : CW 801
Recommendation : Regional (Luzon)
Breeder : B.M. Domingo, Inc. (CornWorld)
414 Pader Rada St., cor. Asoncion St., Divisoria Area, Tondo, Metro Manila

Varietal Characteristics

Yield (T/HA) : 7.55
Maturity (days) : 103.00 (DS); 100.00 (WS)
Plant Height (cm) : 146.00 (DR); 193.00 (WS)
Ear Length (cm) : 16.00
Shelling Recovery (%) : 78.00

Reaction to insect pests and diseases

Resistant to borer, rust, stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new white hybrid is adapted to wet and dry season planting in Visayas.

Other features of the variety

The new variety out yielded the check by 5.3%. Relatively dwarf, which makes it adapted to windy areas. Early maturing, which is a desirable characteristic in areas with short-growing period.
CORN

**NSIC Registration Number**
- NSIC Cn 2004-153

**Commercial Name**
- DK 3668w

**Recommendation**
- Regional-Visayas & Mindanao

**Breeder**
- MONSANTO Phils., Inc.
  7th Flr. Ayala Life FGU Center
  Alabang-Zapote Rd., cor. Acacia Ave.,
  Madrigal Business Park, Alabang,
  1770 Muntinlupa City

**Varietal Characteristics**

- **Yield (t/ha)**: 5.70 (V) ; 5.51 (M)
- **Maturity (days)**: 101.00 (DS) ; 105.00 (WS)
- **Plant Height (cm)**: 231.00 (DR) ; 228.00 (WS)
- **Ear Length (cm)**: 16.00
- **Shelling Recovery (%)**: 74.00

**Reaction to insect pests and diseases**

Moderately resistant to borer and resistant to rust, stalkrot and earworm.

**Agro-climatic, seasonal and cultural adaptations**

It is highly adapted to the growing conditions prevailing in the major growing areas in Luzon. It can be grown during the wet and dry season provided that water supply is properly managed.

**Other features of the variety**

Relatively dwarf, which makes it adapted to windy areas. Excellent husk characteristic (easy to dehusk and fully covers the cob). Has higher shelling recovery than the check.
CORN

**NSIC Registration Number**: NSIC Cn 2004-157  
**Commercial Name**: CW 811  
**Recommendation**: Regional (Luzon)  
**Breeder**: B.M. Domingo, Inc. (CornWorld)  
414 Pader Rada St., cor. Asoncion  
St., Divisoria Area, Tondo, Metro Manila

**Varietal Characteristics**

- **Yield (t/ha)**: 7.39
- **Maturity (days)**: 104.00 (DS) ; 100.00 (WS)
- **Plant Height (cm)**: 133.00 (DR) ; 175.00 (WS)
- **Ear Length (cm)**: 15.00
- **Shelling Recovery (%)**: 80.00

**Reaction to insect pests and diseases**

Resistant to borer, rust, stalkrot and earworm.

**Agro-climatic, seasonal and cultural adaptations**

The new white hybrid is adapted to wet and dry season planting in major and potential corn areas in Mindanao.

**Other features of the variety**

High yield advantage over the check, 16.5% and 7.5% in Visayas and Mindanao, respectively. Good ear fill characteristic. Slightly longer ears than the check.
**CORN**

**NSIC Registration Number**  
: NSIC Cn 2004-154

**Commercial Name**  
: DK 979

**Recommendation**  
: Regional-Luzon & Visayas

**Breeder**  
: MONSANTO Phils., Inc.  
7th Flr. Ayala Life FGU Center  
Alabang-Zapote Rd., cor. Acacia Ave.,  
Madrigal Business Park, Alabang,  
1770 Muntinlupa City

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**VARIETAL CHARACTERISTICS**

**Yield (t/ha)**  
: 8.45 (L) ; 7.10 (V)

**Maturity (days)**  
: 105.00 (DS) ; 101.00 (WS)

**Plant Height (cm)**  
: 144.00 (DR) ; 191.00 (WS)

**Ear Length (cm)**  
: 17.00

**Shelling Recovery (%)**  
: 80.00

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**REACTION TO INSECT PESTS AND DISEASES**

Resistant to borer, rust, stalkrot and earworm.

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**AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS**

The new hybrid is highly adapted to agro-climatic and seasonal fluctuations in major corn growing areas in Luzon. Performance is, however, better during the dry season provided that water supply is not a limiting factor.

**OTHER FEATURES OF THE VARIETY**

The new hybrid had out-yielded the check by 2.3%. Excellent husk characteristics (easy to dehusk and completely covers the ears). Relatively dwarf, which is a desirable characteristic of a hybrid intended for commercial production in windy areas. Suitable for growing after lowland rice.
CORN

NSIC Registration Number : NSIC Cn 2004-156
Commercial Name : CW 821
Recommendation : Regional (Luzon)
Breeder : B.M. Domingo, Inc. (CornWorld)

Address: 414 Pader Rada St., cor. Asencion St., Divisoria Area, Tondo, Metro Manila

Varietal Characteristics

Yield (t/ha) : 7.55
Maturity (days) : 104.00 (DS) ; 101.00 (WS)
Plant Height (cm) : 137.00 (DR) ; 171.00 (WS)
Ear Length (cm) : 16.00
Shelling Recovery (%) : 78.00

Reaction to insect pests and diseases

Resistant to borer, rust, stalkrot and earworm.

Agro-climatic, seasonal and cultural adaptations

The new hybrid is adapted to wet and dry season planting in Luzon and Visayas.

Other features of the variety

The new variety has a yield potential (highest yield obtained was 10.85 tonnes.ha in Ilagan). It has out-yielded the check by 14.44% and 5.3% in Luzon and Visayas, respectively. Excellent ear-fill characteristic. Higher shelling recovery than the check. Longer ears than the check.
CORN

NSIC Registration Number: NSIC Cn 2004-155
Commercial Name: DK 9132
Recommendation: Regional-Luzon & Visayas
Breeder: MONSANTO Phils., Inc.
7th Flr. Ayala Life FGU Center
Alabang-Zapote Rd., cor. Acacia Ave., Madrigal Business Park,
Alabang, 1770 Muntinlupa City

Agro-climatic, seasonal and cultural adaptations

The new hybrid is adapted to wet and dry season planting in Luzon and Visayas.

Other features of the variety

The new hybrid has high yield potential; highest yield obtained was 11.3 tonnes/ha in Ilagan, Isabela. Has out-yielded the check by 15.6% and 8.0% in Luzon and Visayas, respectively. Very good ear-fill characteristic. Has longer ears and higher shelling recovery than the check.

Varietal Characteristics

Yield (t/ha): 8.53 (L) ; 7.28 (V)
Maturity (days): 105.00 (DS) ; 101.00 (WS)
Plant Height (cm): 149.00 (DR) ; 188.00 (WS)
Ear Length (cm): 17.00
Shelling Recovery (%): 79.00

Reaction to insect pests and diseases

Resistant to borer, rust, stalkrot and earworm.