For more information: write, visit or call the NSIC Secretariat:

**NATIONAL SEED INDUSTRY COUNCIL**

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**2003 APPROVED CROP VARIETIES**
NSIC REGISTRATION NUMBER: NSIC 2003 Rm 07

COMMON NAME: RAMBUTAN
BOTANICAL NAME: *Nephelium lappaceum* Linn.
VARIETY NAME: Aguilar 1
OWNER: Aklan State University, Banga, Aklan

VARIETAL CHARACTERISTICS:

TREE CHARACTER:
- Age (years after planting): 14
- Height (meters): 12
- Growth habit: spreading
- Vigor: strong
- Fruiting season: September to October
- Regularity of bearing: annual
- Yield (kg): 225

FRUIT:
- Size:
  - Weight (grams): 32.3
  - Length (mm): 4.7
  - Width (mm): 3.9
- Shape: globose to ovoid
- Skin:
  - Color: reddish orange
  - Texture: tough and leathery
- Weight (grams): 14.18
- Thickness (mm): 2.88
- Flesh:
  - Color: pearly white
  - Texture: smooth and firm
  - Juiciness: juicy
  - TSS (*ºBrix)*: 21.9
  - Edible portion (%): 45.54
- Seeds:
  - Size:
    - Weight (g): 3.42
    - Length (mm): 2.3
    - Width (mm): 1.3
  - Shape: slightly flat

OTHER FEATURES OF THE VARIETY:
It has superior eating quality, it has thick and sweet flesh.
Fruiting season: July to September  
Regularity of bearing: annual  
Yield (kg): 70—80

**FRUIT**

<table>
<thead>
<tr>
<th>Size:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (grams)</td>
<td>45.85</td>
</tr>
<tr>
<td>Length (mm)</td>
<td>50.40</td>
</tr>
<tr>
<td>Width (mm)</td>
<td>45.60</td>
</tr>
<tr>
<td>Shape</td>
<td>oblong</td>
</tr>
</tbody>
</table>

Skin

- Color: red
- Texture: leathery

Flesh

- Color: white
- Texture: smooth
- Juiciness: juicy
- TSS (ºBrix): 20.88
- Edible portion (%): 55.94

Seeds

<table>
<thead>
<tr>
<th>Size</th>
<th></th>
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<tbody>
<tr>
<td>Weight (g)</td>
<td>3.61</td>
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<tr>
<td>Length (mm)</td>
<td>29.35</td>
</tr>
<tr>
<td>Width (mm)</td>
<td>16.25</td>
</tr>
<tr>
<td>Shape</td>
<td>oblong</td>
</tr>
</tbody>
</table>

**OTHER FEATURES OF THE VARIETY:**

- It has big fruits, very sweet and juicy flesh, long spines and prolific bearing habit.

**MESSAGE**

ASSALAMO ALAIKUM (Peace be With You)

Year 2003 was a very significant for the National Seed Industry Council (NSIC). It is during this year that we were able to effect the transfer of the Seed Fund to the Council. With this, the National Seed Industry shall be able to ensure fund support to production of quality seeds and plant materials and development of new plant varieties.

Quality seeds and planting materials are vital inputs to crop production. Farmers are always looking for better seeds in their commercial farming endeavor, and along this line the National Seed Industry Council continue to accredit and register agricultural crops. The system for crop variety accreditation in the National Seed Industry Council assures that only those plant varieties that had met or exceeded the standards are accredited and registered.

Through the efforts of the members of the different Technical Working Groups of the National Seed Industry Council, twenty-four new varieties were accredited for this year. These are three stop gap rice varieties for tungro hot spot areas, six yellow and one white corn hybrids, one peanut, one cotton hybrid, four cassava for commercial processing purposes, two sweet potato, one greater yam (ubi), two pili, and three rambutan fruit crops.

Through the initiative of the Council and the NSIC Secretariat, this information material was conceptualized to show case the 2003 accredited and registered varieties. The varieties are briefly described in terms of their morphological, agronomic and economic characteristics. It is envisioned that this material shall be a source of information for farmers, scientists, technical people of the Department of Agriculture, and other interested parties. The NSIC Secretariat had in its database the complete information regarding these new crop varieties.

**BLO UMPAR ADIONG**

Vice Chairman and Executive Director
Skin
- Color: yellow
- Texture: leathery
- Weight (grams): 18.38
- Thickness (mm): 2.86

Flesh
- Color: white
- Texture: smooth
- Juiciness: juicy
- TSS (°Brix): 22.35
- Edible portion (%): 60.67

Seeds
- Number: 1
- Size
  - Weight (g): 2.32
  - Length (mm): 25.40
  - Width (mm): 14.60
- Shape: oblong

**OTHER FEATURES OF THE VARIETY:**
It is sweet and juicy flesh with attractive golden yellow color and has a long spines and prolificacy of bearing.

-0Oo-

**NSIC REGISTRATION NUMBER:** NSIC 2003 Rm 06
**COMMON NAME:** RAMBUTAN
**BOTANICAL NAME:** Nephelium lappaceum Linn.
**VARIETY NAME:** Roja
**OWNER:** Mr. Mario Tenorio
  Calauan, Laguna

**VARIETAL CHARACTERISTICS:**

**TREE CHARACTER:**
- Age (years after planting): 15
- Height (meters): 25
- Growth habit: semi-erect
- Vigor: strong
Nut (dry)
   Weight (grams) : 13.3
   Length (mm)    : 53.2
Shell
   Weight (grams) : 10.1
   Thickness (mm) : 3.5
Kernel
   Weight (grams) : 3.0
   Color           : creamy white

OTHER FEATURES OF THE VARIETY:
It is a very prolific tree having an average of 15 fruits per cluster. It has a yellowish brown color pulp with smooth textured and with mild resinous taste. Ideal for jams and relishes.

NSIC REGISTRATION NUMBER: NSIC 2003 Rm 05
COMMON NAME   : RAMBUTAN
BOTANICAL NAME: Nephelium lappaceum Linn.
VARIETY NAME  : Amarillo
OWNER         : Dr. Ponciano Batugal
               UPLB, College, Laguna

VARIETAL CHARACTERISTICS:
TREE CHARACTER:
   Age (years after planting): 10
   Height (meters)           : 8
   Growth habit              : semi-upright
   Vigor                      : strong
   Fruiting season           : July to December
   Regularity of bearing     : annual
   Yield (kg)                : 50—60
FRUIT
   Size:
      Weight (grams) : 34.12
      Length (mm)    : 52.65
      Width (mm)     : 36.89
      Shape          : oblong

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  - NSIC 03-Rm-05 ‘Amarillo’. . . . . . . 26
  - NSIC 03-Rm-06 ‘Roja’. . . . . . . . . 27
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OTHER FEATURES OF THE VARIETY:

It is a very prolific tree having an average of 17 fruits per cluster. It has a yellowish brown color pulp with smooth textured and with mild resinous taste. Ideal for jams and relishes.

-oOo-

NSIC REGISTRATION NUMBER: NSIC 2003 Pl 07
COMMON NAME : PILI
BOTANICAL NAME : Canarium ovatum
VARIETY NAME : Mayon #2
OWNER : Albay Experiment Station
         Brgy. Buang, Tabaco City

VARIETAL CHARACTERISTICS:

TREE CHARACTER:

Age (years after planting): 22
Height (meters) : 9
Growth habit : spreading
Vigor : strong
Shape of crown : round
Fruiting season : July-October
Regularity of bearing : year round
Average yield (nuts) : 2,500 per year

FRUIT

Size:
Weight (grams) : 36.9
Length (mm) : 59.1
Diameter (mm) : 32.3
Shape : oblong
Pulp (fresh)
Color : black
Weight (grams) : 23.1
Thickness (mm) : 5.3
FRUIT CROPS

NSIC REGISTRATION NUMBER: NSIC 2003 PI 06
COMMON NAME: PILI
BOTANICAL NAME: *Canarium ovatum*
VARIETY NAME: Mayon #1
OWNER: Albay Experiment Station
Brgy. Buang, Tabaco City

VARIETAL CHARACTERISTICS:

**TREE CHARACTER:**
- Age (years after planting): 22
- Height (meters): 8
- Growth habit: spreading
- Vigor: strong
- Shape of crown: round
- Fruiting season: July-October
- Regularity of bearing: year round
- Average yield (nuts): 3,000 per year

**FRUIT**
- Size:
  - Weight (grams): 28.4
  - Length (mm): 63.6
  - Diameter (mm): 27.5
- Shape: oblong
- Pulp (fresh)
  - Color: black
  - Weight (grams): 17.8
  - Thickness (mm): 4.6
- Nut (dry)
  - Weight (grams): 10.3
  - Length (mm): 58.3
- Shell
  - Weight (grams): 7.8
  - Thickness (mm): 3.2
- Kernel
  - Weight (grams): 2.6
  - Color: creamy white

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CORN

NSIC REGISTRATION NUMBER: NSIC 2003 Cn 142
COMMERCIAL NAME: 30W30
RECOMMENDATION: Regional (Visayas and Mindanao)
BREEDER: Pioneer Hi-Bred Philippines, Inc.
National Highway, Katangawan
General Santos City, 9500

VARIETAL CHARACTERISTICS:
- Yield (t/ha): 6.22
- Maturity (days): 103.2 (DS); 101.7 (WS)
- Plant Height (cm): 196.3 (DS); 218.5 (WS)
- Ear Length (cm): 16.07
- Shelling Recovery (%): 77.05

REACTION TO INSECT PESTS AND DISEASES:
Resistant to borer and earworm and moderately resistant to rust and stalkrot.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Highly adapted to rainfed areas (with at least 4 consecutive rainy months a year) in the Visayas and Mindanao. While it can be grown on both seasons of the year, this variety yields higher during the wet season. It has a semi-erect leaves above the ear and, therefore can adapt to relatively high population pressure.

OTHER FEATURES OF THE VARIETY:
An early maturing variety with excellent husk characteristics and ear fill characteristics.
NSIC REGISTRATION NUMBER: NSIC 2003 Cn 143
COMMERCIAL NAME: NK 8840 “Super Jumbo”
RECOMMENDATION: Regional (Luzon and Mindanao)
BREEDER: Syngenta Philippines, Inc.
Bldg. 1-B, Sunblest Compound, Km.23, West Service Road, Cupang, Muntinlupa City

VARIETAL CHARACTERISTICS:
- Yield (t/ha): 7.70
- Maturity (days): 105.10 (DS); 100.7 (WS)
- Plant Height (cm): 194.2 (DS); 204.9 (WS)
- Ear Length (cm): 16.66
- Shelling Recovery (%): 71.67

REACTION TO INSECT PESTS AND DISEASES:
Resistant to borer, earworm, rust and stalkrot.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Highly adapted to prevailing agro-climatic conditions in major corn growing areas across the country. It performs very well both during the wet and dry season.

OTHER FEATURES OF THE VARIETY:
- It has high yield potential.
- Tolerance to lodging and has excellent earfill characteristics and early maturity.

F. GRAIN QUALITY

Physico-chemical characteristics:
- % Amylose: 22.5 I
- % Protein: 6.6
- Gel Consistency: 65.0 S
- G.T. Score: 3.8 HI/I

Milling Potentials:
- % Hull: 23.9 F
- % Brown Rice: 76.2 F
- % Milling Recovery: 65.4 G2
- % Head Rice: 47.3 G2

Physical Attributes:
- % Chalky Grains: 5.1 G2
- % Immature Grains: 0.2 Pr
- Grain length (L in mm): 7.0 L
- Grain Shape (L/W): 3.3 S

Disease/Insect Pests Reactions:
- Insect Pests:
  - Deadhearts (SB): 0.00 R
  - Whiteheads (SB): 27.15 I
  - Green leafhopper: 5.83 I
  - Yellow stemborer: 5.00 I
  - Brown Planthopper 1: 3.67 I
  - Brown planthopper 2: 3.83 I
  - Brown Planthopper 3: 5.00 I

Grain Quality Evaluation:
- R = Resistant
- H = High
- G1 = Grade 1
- MR = Moderately Resistant
- M = Medium
- G2 = Grade 2
- I = Intermediate
- HI = High Intermediate
- Pr = Premium
- MS = Moderately Susceptible
- I = Intermediate
- L = Long
- S = Susceptible
- F = Fair
- S = Slender

AGRO-CLIMATIC, SEASONAL AND CULTURAL RECOMMENDATION:
Irrigated lowland areas under both favorable and unfavorable conditions particularly in areas with lower solar radiation and fairly high precipitation particularly Region XIII and in areas of similar agro-climatic conditions.

OTHER FEATURES OF THE VARIETY:
- High yield potential
- Acceptable grain qualities

Legend:
- TPR: Transplanted rice
- DWSR: Dry Wet seeded rice
- N1, N2: Nitrogen level
NSIC REGISTRATION NUMBER: NSIC 2003 Rc122
LOCAL NAME: ANGELICA
PEDIGREE NUMBER: IR61979-138-1-3-2-3
BACKGROUND:
A. Sponsoring Agency: IRRI
B. Parents: IR44625-139-2-2-3/IR32822-94-3-3-2-2
C. Group/Researchers: IRRI and RVIG-PhilRice

VARIETAL CHARACTERISTICS:
A. YIELD (kg/ha)
   1. Replicated Trials
      Phase I Phase II 1/ Phase II 2/
      Dry Season : 5401 4258 4988
      Wet Season : 4875 5032
      Across Season : 5051 4645
B. MATURITY (DAS)
   Dry Season : 122
   Wet Season : 120
   Across Season : 121
C. PLANT HEIGHT (cm)
   Dry Season : 97
   Wet Season : 110
   Across Season : 106
D. PRODUCTIVE TILLERS (no/hill)
   Dry Season : 16
   Wet Season : 14
   Across Season : 14
E. REACTIONS TO: Diseases
   Blast : 2.57 R
   Bacterial leaf blight: 3.65 I
   Sheath blight: 4.69 I
   Rice Tungro Virus
   Modified: 53.28 S
   Induced: 37.78 I

NSIC REGISTRATION NUMBER: NSIC 2003 Cn 144
COMMERCIAL NAME: NK 8850
RECOMMENDATION: Regional (Luzon and Mindanao)
BREEDER: Syngenta Philippines, Inc.
          Bldg. 1-B, Sunblest Compound, Km.23, West Service Road, Cupang, Muntinlupa City

VARIETAL CHARACTERISTICS:
   Yield (t/ha) : 6.87
   Maturity (days): 106.5 (DS) ; 101.0 (WS)
   Plant Height (cm) : 223.6 (DS) ; 209.3 (WS)
   Ear Length (cm) : 15.29
   Shelling Recovery (%): 73.71

REACTION TO INSECT PESTS AND DISEASES:
Resistant to borer, earworm, rust and stalkrot.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Highly adapted to prevailing agro-climatic conditions in major corn growing areas in Luzon and Mindanao. It has semi-erect leaves above the ear making it relatively tolerant to population pressure.

OTHER FEATURES OF THE VARIETY:
It has high yield potential. Excellent earfill characteristics and early maturity.
NSIC REGISTRATION NUMBER:  NSIC 2003 Cn 145
COMMERCIAL NAME :  DEKALB 9051
RECOMMENDATION :  Regional (Luzon and Mindanao)
BREEDER :  Monsanto Philippines, Inc.
7th Floor Ayala Life FGU Center
Alabang-Zapote Rd. (cor. Acacia Ave.)
Madrigal Business Park, Alabang
1770 Muntinlupa City

VARIETAL CHARACTERISTICS:
Yield (t/ha) : 7.59
Maturity (days): 103.83 (DS) ; 102.0 (WS)
Plant Height (cm) : 217.25 (DS) ; 214.90 (WS)
Ear Length (cm) : 15.50
Shelling Recovery (%): 78.98

REACTION TO INSECT PESTS AND DISEASES:
Resistant to borer, earworm, rust and stalkrot.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Highly adapted to agro-climatic condition prevailing in Luzon (particularly in Northern Luzon) and on Mindanao. It performs very well during the wet and dry season. Can be planted at relatively high population density.

OTHER FEATURES OF THE VARIETY:
An early maturing variety with excellent husk characteristics and ear fill characteristics and stay green leaf characteristics.

Insect Pests
- Deadhearts (SB) : 13.39 MR
- Whiteheads (SB) : 15.38 I
- Green leafhopper: 3.5 MR
- Yellow stemborer: 7.0 MS
- Brown Planthopper  : 5.1 I

F. GRAIN QUALITY

Physico-chemical characteristics
<table>
<thead>
<tr>
<th>TPR</th>
<th>DWSR</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Amylose : 20.1 I</td>
<td>19.1 L</td>
</tr>
<tr>
<td>% Protein : 6.4</td>
<td>-</td>
</tr>
<tr>
<td>G.T. Score : 4.1 I/Hi/L</td>
<td>3.7 Hi/L</td>
</tr>
</tbody>
</table>

Milling Potentials
- % Brown Rice : 77.6 F 77.3 F
- % Milling Recovery : 68.3 G1 69.4 G1
- % Head Rice : 23.9aa 19.9 aa

Physical Attributes
- % Chalky Grains : 8.3 G2 9.7 G2
- % Immature Grains : 0.8 Pr 0.0 Pr
- Grain length (L in mm) : 6.8 L 6.8 L
- Grain Shape (L/W) : 3.0 I 2.9 I

Preference Scores and Percent Acceptability
- Cooked : -9.8 -
- Raw : -8.0 -
- % Acceptability
  - Cooked : 83.9 -
  - Raw : 93.6 -

AGRO-CLIMATIC, SEASONAL AND CULTURAL RECOMMENDATION:
Stop gap variety for tungro hot spots in Region 6,10,11 and ARMM

OTHER FEATURES OF THE VARIETY:
- Early maturing variety for TPR
- Acceptable grain qualities with intermediate amylose
**VARIETAL CHARACTERISTICS:**
- Yield (t/ha): 6.35
- Maturity (days): 98.0 (DS) ; 100.3 (WS)
- Plant Height (cm): 218.3 (DS) ; 246.0 (WS)
- Ear Length (cm): 14.77
- Shelling Recovery (%): 73.34

**REACTION TO INSECT PESTS AND DISEASES:**
Resistant to stalkrot and earworm and moderately resistant to borer and rust.

**AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:**
Adapted to various agro-climatic conditions in Mindanao. It can be planted at relatively high population density due to its semi-erect short leaves above the ear.

**OTHER FEATURES OF THE VARIETY:**
It is a short stature variety with relatively high yield potential and an early maturing with excellent ear fill and stay green leaf characteristic.
NSIC REGISTRATION NUMBER: NSIC 2003 Cn 147
COMMERCIAL NAME: 30B80
RECOMMENDATION: Regional (Visayas)
BREEDER: Pioneer Hi-Bred Philippines, Inc.
National Highway, Katangawan
General Santos City, 9500

VARIETAL CHARACTERISTICS:
- Yield (t/ha): 5.56
- Maturity (days): 105.0 (DS); 103.33 (WS)
- Plant Height (cm): 223.30 (DS); 221.67 (WS)
- Ear Length (cm): 16.50
- Shelling Recovery (%): 80.08

REACTION TO INSECT PESTS AND DISEASES:
Resistant to stalkrot, earworm, borer and rust.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Can be grown during the wet and dry season but performs better during the wet season. It can be grown at relatively high population density due to its semi-erect leaves.

OTHER FEATURES OF THE VARIETY:
- Very early maturity
- Fairly acceptable yield under both transplanted and direct seeding culture
- Suitable for both TPR and DSR

Preference Scores and Percent Acceptability

<table>
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<tr>
<th></th>
<th>Cooked</th>
<th>Raw</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100.0</td>
<td>93.3</td>
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</table>

AGRO-CLIMATIC, SEASONAL AND CULTURAL RECOMMENDATION:
Stop gap variety for tungro hot spots in Region 6,10,11 and ARMM

OTHER FEATURES OF THE VARIETY:
- Very early maturity
- Fairly acceptable yield under both transplanted and direct seeding culture
- Suitable for both TPR and DSR

NSIC REGISTRATION NUMBER: NSIC 2003 Rc120
LOCAL NAME: MATATAG 6
PEDIGREE NUMBER: LF-31-28-1
BACKGROUND:
- A. Sponsoring Agency: PhilRice
- B. Parents: ARC 11554/6*TNI//IR64
- C. Group/Researchers: RVIG-PhilRice

VARIETAL CHARACTERISTICS:
A. YIELD (kg/ha)
1. Replicated Trials
   TPR
<table>
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<tr>
<th>N1</th>
<th>N2</th>
</tr>
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<tbody>
<tr>
<td>Dry Season: 4980</td>
<td>5250</td>
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<tr>
<td>Wet Season: 5033</td>
<td>5153</td>
</tr>
<tr>
<td>Across Season: 5015</td>
<td>5185</td>
</tr>
</tbody>
</table>
D. PRODUCTIVE TILLERS

**TPR (no/hill)**
- **Dry Season**: 14, 15
- **Wet Season**: 13, 14
- **Across Season**: 14, 15

**DWSR (no/linear meter)**
- **Dry Season**: 226, 233
- **Wet Season**: 199, 214
- **Across Season**: 213, 224

E. REACTIONS TO:

- **Diseases**
  - Blast: 6.29 I
  - Bacterial leaf blight: 5.58 I
  - Sheath blight: 7.25 S
  - **Rice Tungro Virus**
    - Modified: 47.15 I
    - Induced: 59.38 S

- **Insect Pests**
  - Deadhearts (SB): 12.12 MR
  - Whiteheads (SB): 21.70 MS
  - Green leafhopper: 8.25 MS
  - Yellow stemborer: -
  - Brown Planthopper: 7.0 MS

F. GRAIN QUALITY

- **Physico-chemical characteristics**
  - **TPR**
    - % Amylose: 20.9 I
    - % Protein: 7.2
    - G.T. Score: 4.2 I/HI/L
  - **DWSR**
    - % Amylose: 20.5 I
    - % Protein: -
    - G.T. Score: 4.3 I/HI/L

- **Milling Potentials**
  - % Brown Rice: 75.5 F
  - % Milling Recovery: 64.9 G2
  - % Head Rice: 38.0 G3

- **Physical Attributes**
  - % Chalky Grains: 10.7 G2
  - % Immature Grains: 0.5 Pr
  - Grain length (L in mm): 6.8 L
  - Grain Shape (L/W): 3.2 S

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**NSIC REGISTRATION NUMBER**: NSIC 2003 Cn 148

**COMMERCIAL NAME**: 30P95

**RECOMMENDATION**: Regional (Visayas and Mindanao)

**BREEDER**: Pioneer Hi-Bred Philippines, Inc.
National Highway, Katangawan
General Santos City, 9500

**VARIETAL CHARACTERISTICS**:

- **Yield (t/ha)**: 7.55
- **Maturity (days)**: 103.9 (DS) ; 102.6 (WS)
- **Plant Height (cm)**: 213.8 (DS) ; 204.0 (WS)
- **Ear Length (cm)**: 15.88
- **Shelling Recovery (%):** 75.47

**REACTION TO INSECT PESTS AND DISEASES**: Resistant to borer, earworm, rust and stalkrot.

**AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS**: Highly adapted to rainfed and irrigated areas (with good drainage) in Luzon, Visayas and Mindanao. Given optimum crop management practices, it performs very well during the wet and dry season.

**OTHER FEATURES OF THE VARIETY**: Has a high yield potential and excellent ear fill and stay-green leaf characteristics. And early maturing variety with tolerance to stalk lodging.
COTTON

**NSIC REGISTRATION NUMBER:** NSIC 2003 Ct 13
**VARIETY NAME:** Bioseed 6527
**BREEDER:** BIOSSED Research Phils., Inc. and Cotton Development Administration

**VARIETAL CHARACTERISTICS**
- Seed cotton Yield (kg/ha): 2439.41
- Weight per boll (g): 5.13
- Number of bolls per plant: 25.8
- Maturity (days): 107.0
- Plant Height (cm): 116.01
- Earliness index (%): 34.36
- Days to flossing: 106.94
- Lint recovery (%): 37.19

**FIBER PROPERTIES**
- Fiber length (mm): 27.91
- Fiber strength (g/tex): 20.41
- Fiber fineness (mg/in): 4.12

**REACTION TO INSECT PESTS AND DISEASES:**
Highly resistant to leafhopper and resistant to damping-off organisms like Sclerotium rolfsii and Rhizoctonia solani.

**OTHER FEATURES OF THE VARIETY:**
Surpassed the fiber quality requirements which is medium to long staple length, strong fiber and average fibers making it a good source of raw materials for luxury garments and fabric materials.

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RICE

**NSIC REGISTRATION NUMBER:** NSIC 2003 Rc118
**LOCAL NAME:** MATATAG 3
**PEDIGREE NUMBER:** IR68305-18-1-1

**BACKGROUND:**
- A. Sponsoring Agency: IRRI
- B. Parents: IR1561-228-3-3*2/UTRI MERAH
- C. Group/Researchers: IRRI and RVIG-PhilRice

**VARIETAL CHARACTERISTICS:**

**A. YIELD (kg/ha)**
1. Replicated Trials
   - **TPR**
     - Dry Season: 4968, 5133
     - Wet Season: 4514, 4798
     - Across Season: 4666, 4910
   - **DWSR**
     - Dry Season: 5271, 5531
     - Wet Season: 4632, 4770
     - Across Season: 4837, 5014

**B. MATURITY (DAS)**
   - **TPR**
     - Dry Season: 109, 110
     - Wet Season: 104, 104
     - Across Season: 107, 107
   - **DWSR**
     - Dry Season: 104, 105
     - Wet Season: 97, 97
     - Across Season: 101, 101

**C. PLANT HEIGHT (cm)**
   - **TPR**
     - Dry Season: 89, 85
     - Wet Season: 98, 100
     - Across Season: 94, 93
   - **DWSR**
     - Dry Season: 93, 94
     - Wet Season: 98, 100
     - Across Season: 96, 97
GREATER YAM (UBI)

NSIC REGISTRATION NUMBER: NSIC 2003 Vu 6

VARIETY NAME : LA—155
BREEDER : PhilRootcrops, Leyte State University
Baybay, Leyte

VARIETAL CHARACTERISTICS:
- Tuber yield (t/ha) : 15.34
- % DMC : 35.15
- % starch content : 23.64
- % sugar content : 1.08
- % protein content : 0.298
- Tuber skin color : off-white (cream)
- Tuber flesh color : white
- Tuber cortex color : orange
- Growth habit : twining counterclockwise
- Foliage color : young leaves are pale green

REACTION TO PESTS AND DISEASES:
Highly resistant to leaf spot and leaf blight.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Can be grown in all regions of the Philippines.
Planting time is March to June. Needs stakes for vine support.

PEANUT

NSIC REGISTRATION NUMBER: NSIC 2003 Pn 12

LOCAL NAME : Ilocos Pink
BREEDER : Mariano Marcos State University
Dingras, Ilocos Norte

VARIETAL CHARACTERISTICS:
- Shelled bean yield (kg/ha) : 1715.5 (DS) 1469.3 (WS)
- 100-Seed weight (g) : 57.0 (DS) 46.7 (WS)
- Shelling percentage : 72.7 (DS) 71.4 (WS)
- Days to flower : 28 (DS) 24 (WS)
- Days to mature : 96 (DS) 95 (WS)
- Plant Height (cm) : 42.0 (DS) 65.6 (WS)
- Pods per plant : 16 (DS) 15 (WS)

REACTION TO INSECT PESTS AND DISEASES:
Resistant to moderately resistant rust rating and moderately susceptible to CLS.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Can be grown during the dry and wet season cropping.

OTHER FEATURES OF THE VARIETY:
It contains a crude protein of 32.58%, crude fat of 26.26%, carbohydrates of 33.27%, and ash of 2.19%.
CASSAVA

NSIC REGISTRATION NUMBER: NSIC 2003 Cv 23
VARIETY NAME: OMR 33-12-3
BREEDER: PhilRootcrops, Leyte State University
Baybay, Leyte

VARIETAL CHARACTERISTICS:
Root yield (t/ha) : 26.1
Root dry matter content (%) : 38.9
Root starch content (%) : 28.5
Root HCN content : 6.0 (moderate)
Root peduncle length (cm) : 1.7
Maturity period (month) : 10-12
Root skin color : cream
Root cortex color : pink
Root flesh color : white
Growth habit : moderately branching

REACTION TO PESTS AND DISEASES:
Brown leaf spot : 3.0 moderately resistant
Cassava bacterial blight : 1.7 resistant
Scale insects : 1.6 resistant
Mites : 1.5 resistant

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Can be grown in all regions of the Philippines.

OTHER FEATURES OF THE VARIETY:
It has a high dry matter and starch content and therefore, best recommended for feed, flour and starch processing.

NSIC REGISTRATION NUMBER: NSIC 2003 Sp 27
VARIETY NAME: BSU Sp 02
LOCAL NAME: Bengueta
BREEDER: NPRCRTC-Benguet State University
La Trinidad, Benguet

VARIETAL CHARACTERISTICS:
Root yield (t/ha) : 8.51
% DMC : 33.82
DM yield (t/ha) : 2.87
% starch content : 13.58
% sugar content : 3.70
Root skin color : light red
Root flesh color : yellow
Growth habit : spreading
Foliage color : green with purple on both leaf surfaces
Shape of roots : long elliptic

REACTION TO PESTS AND DISEASES:
Resistant to scab and weevil.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Generally performs well in hilly conditions with soil of adequate fertility and moisture.

OTHER FEATURES OF THE VARIETY:
It has a good eating quality and can be used for processing.
SWEETPOTATO

NSIC REGISTRATION NUMBER: NSIC 2003 Sp 26
VARIETY NAME: JK 024
LOCAL NAME: LSU White
BREEDER: PhilRootcrops, Leyte State University Baybay, Leyte

VARIETAL CHARACTERISTICS:
- Root yield (t/ha): 14.62
- % DMC: 34.07
- DM yield (t/ha): 4.98
- % starch content: 15.94
- % sugar content: 3.88
- Root skin color: white
- Root flesh color: white
- Growth habit: spreading
- Foliage color: green with purple on upper leaf surfaces
- Shape of roots: long elliptic

REACTION TO PESTS AND DISEASES:
Resistant to scab and moderately resistant to weevil.

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Generally performs well in plain and hilly conditions with soil of adequate fertility and moisture.

OTHER FEATURES OF THE VARIETY:
It has a good eating quality and can be used for processing especially SP jam and other SP delicacies.

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NSIC REGISTRATION NUMBER: NSIC 2003 Cv 24
VARIETY NAME: OMR 33-12-7
BREEDER: PhilRootcrops, Leyte State University Baybay, Leyte

VARIETAL CHARACTERISTICS:
- Root yield (t/ha): 24.1
- Root dry matter content (%): 38.0
- Root starch content (%): 27.2
- Root HCN content: 5.2 (moderate)
- Root peduncle length (cm): 2.0
- Maturity period (month): 10-12
- Root skin color: cream
- Root cortex color: cream
- Root flesh color: white
- Growth habit: moderately branching

REACTION TO PESTS AND DISEASES:
- Scale insects: 1.6 resistant
- Mites: 1.7 resistant
- Brown leaf spot: 2.8 resistant
- Cassava bacterial blight: 1.5 resistant

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Can be grown in all regions of the Philippines.

OTHER FEATURES OF THE VARIETY:
It has a high dry matter and starch content and therefore, best recommended for feed, flour and starch processing.
NSIC REGISTRATION NUMBER: NSIC 2003 Cv 25
VARIETY NAME : CG91-08-05
LOCAL NAME : Sultan 6
BREEDER : University of the Philippines Los Baños College, Laguna

VARIETAL CHARACTERISTICS:
Root yield (t/ha) : 39.1
Root dry matter content (%) : 35.0
Root starch content (%) : 23.0
Root HCN content : 6.0 (moderate)
Maturity period (month) : 10

REACTION TO PESTS AND DISEASES:
Scale insects : 1.7 resistant
Mites : 1.6 resistant
Brown leaf spot : 3.4 moderately resistant
Cassava bacterial blight : 1.6 resistant

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Can be grown in all regions of the Philippines.

OTHER FEATURES OF THE VARIETY:
The variety is bitter and, therefore, should be used only as starch source and as processed (chips or pellets) feeds.

NSIC REGISTRATION NUMBER: NSIC 2003 Cv 26
VARIETY NAME : CG91-41-01
LOCAL NAME : Sultan 7
BREEDER : University of the Philippines Los Baños College, Laguna

VARIETAL CHARACTERISTICS:
Root yield (t/ha) : 37.9
Root dry matter content (%) : 34.8
Root starch content (%) : 22.8
Root HCN content : 5.3 (moderate)
Maturity period (month) : 10

REACTION TO PESTS AND DISEASES:
Scale insects : 1.7 resistant
Mites : 2.2 resistant
Brown leaf spot : 3.3 moderately resistant
Cassava bacterial blight : 1.5 resistant

AGRO-CLIMATIC, SEASONAL AND CULTURAL ADAPTATIONS:
Can be grown in all regions of the Philippines.

OTHER FEATURES OF THE VARIETY:
The variety is bitter and, therefore, should be used only as starch source and as processed (chips or pellets) feeds.