NATIONAL SEED INDUSTRY COUNCIL

Seed Catalogue

Varieties presented have passed and satisfied the quality standards for accreditation and registration towards farmers’ assurance of high crop productivity and income.

Crop Varieties

CY 2011

Halaman Ay Yaman
NATIONAL SEED INDUSTRY COUNCIL

Seed Catalogue

Varied presented have passed and satisfied the quality standards for accreditation and registration towards farmers' assurance of high crop productivity and income.

Crop Varieties
CY 2011
Through the years the National Seed Industry Council had accredited and registered crop varieties with desirable traits. Traits like yield, resistance to insect pests and diseases, taste, and others are evaluated and assessed to ensure that only best ones are listed in the registry of accredited varieties of the National Seed Industry Council.

Of late, the performance of rice varieties in abiotic stress conditions like drought, excessive water, and salinity has been used as parameters for accreditation. That is why, this year of 2011, some rice varieties that can withstand these environmental conditions have been accredited and registered.

The variety accreditation and registration mechanism ensures that only varieties of highest quality are made available to farmers and growers. The Department of Agriculture recognizes the need to increase agricultural production to achieve self-sufficiency in food. Apart from increasing the income of farmers, it is also the aspiration of plant breeders to develop and improve the nutritional properties of our crop varieties.

This Seed Catalogue contains the basic information of the different crop varieties in year 2011 that have passed the quality standards of the National Seed Industry Council. It is our goal that the information we provide will aid farmers, breeders, and other seed users in their choice of varieties.

CLARITO M. BARRON, PhD, CESO IV
Executive Director
National Seed Industry Council
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NATIONAL SEED INDUSTRY COUNCIL ● CROP VARIETIES CY 2011
NSIC 2011 Rc238 ‘Tubigan 21’
Irrigated Lowland (Inbred)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: IR78555-68-3-3-3
Parents: IR72870-120-1-2-2/
IR72870-19-2-2-3

YIELD (kg/ha):
Phase I: 5,716 (TPR)
MAT: 6,399 (TPR)

MATURITY (DAS): 110 (TPR)

PLANT HEIGHT (cm): 104 (TPR)

PRODUCTIVE TILLERS (no./hill): 15 (TPR)

GRAIN QUALITY:
Brown rice recovery (%): 77.1 F
Milling recovery (%): 70.4 Pr
Head rice recovery (%): 50.7 G1
Amylose content (%): 21.01 I
Protein (%): 7.5
G.T. Score: 5.3 L/F/HI

Breeder: International Rice Research Institute
Los Baños, Laguna

MAJOR REASONS FOR RECOMMENDING
a. Yield advantages of 11.0%, 5.4%, and 8.2% during dry, wet and across season, respectively over PSB Rc82
b. Matures at 110 days, earlier by 3 days during WS
c. Resistant to blast, BLB, WSB, YSB, BPH and GLH
d. Intermediate amylose content
e. Very high percentage acceptability in cooked and raw forms, better eating quality
NSIC 2011 Rc240 ‘Tubigan 22’
Irrigated Lowland (Inbred)

RECOMMENDATION:

Luzon, Visayas, Mindanao

BACKGROUND:

Pedigree Number: PR31132-B-1-1-1-3-3
Parents: PSB Rc3/
PSB Rc1

YIELD (kg/ha):

Phase I: 5,307 (TPR)

MAT: 6,370 (TPR)

5,786 (DWSR)

MATURITY (DAS):

115 (TPR)

108 (DWSR)

PLANT HEIGHT (cm):

107 (TPR)

104 (DWSR)

PRODUCTIVE TILLERS (no./hill):

12 (TPR)

MAJOR REASONS FOR RECOMMENDING

a. Yield advantage of 7.1% (DS) and 5.4% (AS) over NSIC Rc122; under DSR 5.8% (DS) and 17.6% (AS) over NSIC Rc122 and PSB Rc18 respectively;
b. Matures at 115 days as transplanted and 108 days as direct seeding;
c. Resistant to blast, sheath blight, bacterial leaf blight and white stem borer;
d. Excellent milling potentials with premium milling and headrice recovery;
e. Intermediate amylose content;
f. High percentage acceptability in the cooked and raw forms.

GRAIN QUALITY:

Brown rice recovery (%): 78.2 F
Milling recovery (%): 71.61 Pr
Head rice recovery (%): 54.0 G1
Amylose content (%): 23.81
Protein (%): 6.6
G.T. Score: 7.0 L

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija
NSIC 2011 Rc21 SR ‘Malagkit 5’
Irrigated Lowland (Special)

RECOMMENDATION:
Luzon, Visayas

BACKGROUND:
Pedigree Number : PR25482-4-2 (G)
Parents : MRC22969-130-15/
O. Rufipogon/
Utri Merah

YIELD (kg/ha):
Across seasons : 4,541

MATURITY (DAS) : 122

PLANT HEIGHT (cm) : 90

PRODUCTIVE TILLERS (no./hill) : 17

MAJOR REASONS FOR RECOMMENDING
a. Positive yield advantage of 13.7% (DS), 8.6% (AS) over check variety NSIC Rc13, 13.9% and 8.1% during wet and across seasons, respectively against NSIC Rc15;
b. High milling and headrice recovery;
c. Slightly aromatic when cooked.

GRAIN QUALITY:
Brown rice recovery (%) : 75.1 F
Milling recovery (%) : 65.7 G1
Head rice recovery (%) : 56.7 G1
Amylose content (%) : 2.9 VL
Protein (%) : 8.6
G.T. Score : 6.5 L/I

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija
NSIC 2011 Rc242 SR ‘Japonica 2’
Irrigated Lowland (Special)

**RECOMMENDATION:** Luzon, Visayas

**BACKGROUND:**
Pedigree Number: IR83515-30-1-1-3 (J)
Parents: IR80091-46-2-1/
IR71663-14-2-3-5

**YIELD (kg/ha):**
Across seasons: 3,742

**MATURITY (DAS):** 109

**PLANT HEIGHT (cm):** 94

**PRODUCTIVE TILLERS (no./hill):** 14

**MAJOR REASONS FOR RECOMMENDING**

a. Average yield of 5.3 t/ha during the DS, 3.7 t/ha across season;
b. Early maturing at 109 days;
c. Resistance to blast and bacterial leaf blight;
d. Good milling and headrice recovery and highly acceptable in the cooked form.

**GRAIN QUALITY:**
Brown rice recovery (%): 73.3 P
Milling recovery (%): 63.0 G2
Head rice recovery (%): 44.1 G2
Amylose content (%): 13.6 L
Protein (%): 9.3
G.T. Score: 6.5 L

**Breeder:** International Rice Research Institute
Los Baños, Laguna
NSIC 2011 Rc244H ‘Mestiso 29’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: PR36020H
Parents: -

YIELD (kg/ha):
Across seasons: 7,034

MATURITY (DAS): 110

PLANT HEIGHT (cm): 104

PRODUCTIVE TILLERS (no./hill): 14

GRAIN QUALITY:
Brown rice recovery (%): 77.5 F
Milling recovery (%): 65.1 G1
Head rice recovery (%): 47.8 G2
Amylose content (%): 22.61
Protein (%): 7.0
G.T. Score: 6.8 L/I

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija

MAJOR REASONS FOR RECOMMENDING

a. Yield advantage of 18.4% (AS); 27.1% (WS); and 9.6% (DS);
b. Early maturing at 110 days;
c. Resistant to moderately resistant to Deadhearts (WSB & YSB) and Whiteheads (WSB & YSB) in PhilRice Midsayap, PhilRice Isabela, PhilRice Agusan and UPLB;
d. Intermediate amylose content with long and slender grains.

BACKGROUND:
Pedigree Number: PR36020H
Parents: -

YIELD (kg/ha):
Across seasons: 7,034

MATURITY (DAS): 110

PLANT HEIGHT (cm): 104

PRODUCTIVE TILLERS (no./hill): 14

GRAIN QUALITY:
Brown rice recovery (%): 77.5 F
Milling recovery (%): 65.1 G1
Head rice recovery (%): 47.8 G2
Amylose content (%): 22.61
Protein (%): 7.0
G.T. Score: 6.8 L/I

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija

MAJOR REASONS FOR RECOMMENDING

a. Yield advantage of 18.4% (AS); 27.1% (WS); and 9.6% (DS);
b. Early maturing at 110 days;
c. Resistant to moderately resistant to Deadhearts (WSB & YSB) and Whiteheads (WSB & YSB) in PhilRice Midsayap, PhilRice Isabela, PhilRice Agusan and UPLB;
d. Intermediate amylose content with long and slender grains.
NSIC 2011 Rc246H ‘Mestiso 30’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: IR84714H
Parents: -

YIELD (kg/ha):
Across seasons: 7,152

MATURITY (DAS): 106

PLANT HEIGHT (cm): 103

PRODUCTIVE TILLERS (no./hill): 14

MAJOR REASONS FOR RECOMMENDING

a. High yield in both dry and wet seasons across majority locations;
b. Yield advantage exhibited by location, Laguna (22.2%), Nueva Ecija (24.2%), Isabela (19.4%), Bohol (20.6%), Davao del Sur (26.3%), General Santos (20.3%) and Bukidnon (22.8%);
c. Good grain quality: low amylose content, high milling potentials and highly acceptable in cooked and raw forms;
d. Moderate to white stemborers, BPH and GLH.

GRAIN QUALITY:

Brown rice recovery (%): 78.6 F
Milling recovery (%): 68.1 G1
Head rice recovery (%): 46.9 G2
Amylose content (%): 17.9 L
Protein (%): 6.7
G.T. Score: 5.1 I/L

Breeder: International Rice Research Institute
Los Baños, Laguna

NATIONAL SEED INDUSTRY COUNCIL • CROP VARIETIES CY 2011
NSIC 2011 Rc248H ‘Mestiso 31’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number : IR80637H
Parents : -

YIELD (kg/ha):
Across seasons : 7,124

MATURITY (DAS) : 108

PLANT HEIGHT (cm) : 112

PRODUCTIVE TILLERS (no./hill) : 14

MAJOR REASONS FOR RECOMMENDING
a. Yield advantage of 23.5% during the WS;
b. Early maturing at 108 days;
c. Resistant to white stemborer, BPH, GLH and yellow stemborer, intermediate resistance to blast and BLB;
d. Good grain qualities with intermediate amylose content, high milling potentials;
e. High acceptability in the raw form.

GRAIN QUALITY:
Brown rice recovery (%) : 78.4 F
Milling recovery (%) : 67.3 G1
Head rice recovery (%) : 48.5 G1
Amylose content (%) : 21.61
Protein (%) : 7.5
G.T. Score : 5.8 L/I

Breeder: International Rice Research Institute
Los Baños, Laguna
NSIC 2011 Rc250H ‘Mestiso 32’
Irrigated Lowland (Hybrid)

RECOMMENDATION:
Luzon, Visayas, Mindanao
d. Resistant to intermediate reaction to blast in UPLB; PhilRice CES, Midsayap and Isabela; bacterial leaf blight in PhilRice Midsayap, CES, UPLB and VSU;
e. High percentage acceptability both in cooked and raw forms.

BACKGROUND:
Pedigree Number: IR81949H
Parents:

YIELD (kg/ha):
Across seasons: 6,499

MATURITY (DAS): 109

PLANT HEIGHT (cm): 109

PRODUCTIVE TILLERS (no./hill): 14

MAJOR REASONS FOR RECOMMENDING
a. Yield advantage of 33.0% during the WS;
b. Early maturing at 109 days;
c. Intermediate amylose;

GRAIN QUALITY:
Brown rice recovery (%): 78.3 F
Milling recovery (%): 66.1 G1
Head rice recovery (%): 43.3 G2
Amylose content (%): 21.41
Protein (%): 7.2
G.T. Score: 6.0 L/I

Breeder: International Rice Research Institute
Los Baños, Laguna
NSIC 2011 Rc252H ‘Mestiso 33’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: PAC 809
Parents: -

YIELD (kg/ha):
Across seasons: 6,845

MATURITY (DAS): 108

PLANT HEIGHT (cm): 105

PRODUCTIVE TILLERS (no./hill): 15

MAJOR REASONS FOR RECOMMENDING
a. Yield advantage of 16.9% during the WS;
b. Very early maturing at 108 days;
c. Blast resistant across test locations, intermediate to BLB;
d. Intermediate amylose and content with good milling and headrice recovery;
e. In the cooked form, it is comparable to the hybrid check Mestiso 7.

GRAIN QUALITY:
Brown rice recovery (%): 78.7 F
Milling recovery (%): 68.2 G1
Head rice recovery (%): 46.0 G2
Amylose content (%): 23.31
Protein (%): 6.1
G.T. Score: 6.9 L

Breeder: ADVANTA International (Phils.)
Fire National Training Institute,
Camp Vicente Lim, Canlubang,
Calamba, Laguna
NSIC 2011 Rc254H ‘Mestiso 34’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: PAC 835
Parents: -

YIELD (kg/ha): 6,063
MATURITY (DAS): 117 (DS)
PLANT HEIGHT (cm): 118
PRODUCTIVE TILLERS (no./hill): 14

MAJOR REASONS FOR RECOMMENDING
a. High yielding during the WS with overall yield advantage of 23.1% across WS;
b. With wider intermediate resistance to SHB;
c. Intermediate amylose content with good milling potentials.

GRAIN QUALITY:
Brown rice recovery (%): 78.5 F
Milling recovery (%): 68.8 G1
Head rice recovery (%): 54.6 G1
Amylose content (%): 21.51
Protein (%): 6.2
G.T. Score: 5.4 I/L

Breeder: ADVANTA International (Phils.)
Fire National Training Institute,
Camp Vicente Lim, Canlubang,
Calamba, Laguna
NSIC 2011 Rc256H ‘Mestiso 35’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: BSG 0802
Parents: -

YIELD (kg/ha): 6,325
MATURITY (DAS): 109
PLANT HEIGHT (cm): 104
PRODUCTIVE TILLERS (no./hill): 13

MAJOR REASONS FOR RECOMMENDING

a. Yield advantage across seasons in PhilRice, DA-CVLMROS and CMU in wet season;
b. Early maturing at 109 days;
c. Resistance to blast;
d. Intermediate amylose content and very good milling potentials;
e. High acceptability in the raw form.

GRAIN QUALITY:
Brown rice recovery (%): 77.0 F
Milling recovery (%): 65.7 G1
Head rice recovery (%): 40.9 G2
Amylose content (%): 20.21
Protein (%): 6.4
G.T. Score: 4.2 I/HI

Breeder: BEIDAHUANG Seed Group Co. Ltd.
No. 240 Honggi St., Xiangfang District, Harbin City, Heilong Jiang Province, Republic of China
NSIC 2011 Rc258H ‘Mestiso 36’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number : MR 5
Parents : -

YIELD (kg/ha) : 6,706
MATURITY (DAS) : 106
PLANT HEIGHT (cm) : 103
PRODUCTIVE TILLERS (no./hill) : 15

MAJOR REASONS FOR RECOMMENDING

a.) High yielding;
   b.) Very early maturing at 106 days;
   c.) Good grain quality: high milling recovery, intermediate amylose content,

GRAIN QUALITY:
Brown rice recovery (%) : 77.8 F
Milling recovery (%) : 66.5 G1
Head rice recovery (%) : 40.7 G2
Amylose content (%) : 21.21
Protein (%) : 7.3
G.T. Score : 5.4 I/L/HI

Breeder: Dhaanya Seeds Philippines
11017 Palm Drive, Faculty Village,
Batong Malake, Los Baños, Laguna

2011

RICE
NSIC 2011 Rc260H ‘Mestiso 37’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: SW 804
Parents: -

YIELD (kg/ha): 6,494

MATURITY (DAS): 109

PLANT HEIGHT (cm): 107

PRODUCTIVE TILLERS (no./hill): 13

MAJOR REASONS FOR RECOMMENDING
a. Overall yield is consistent at 6 t/ha across seasons;
b. Resistant to blast in PhilRice-Isabela and UPLB;
c. Resistant to moderately resistant to Whiteheads (WSB);
d. Long and slender grain with good milling potentials; and
e. High percentage acceptability in the cooked and raw forms.

GRAIN QUALITY:
Brown rice recovery (%): 78.9 F
Milling recovery (%): 68.5 G1
Head rice recovery (%): 46.3 G2
Amylose content (%): 18.9 L
Protein (%): 7.4
G.T. Score: 5.6 I/L

Breeder: SEEDWORKS Phil. (IPL)
1775 Gov. San Luis Rd.,
Puypuy, Bay, Laguna
NSIC 2011 Rc262H ‘Mestiso 38’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao
d. Resistant to blast in PhilRice Midsayap and VSU;
e. Very good milling potentials;
f. High percentage acceptability both in cooked and raw forms.

BACKGROUND:
Pedigree Number: PHILSCAT 3-1
Parents: -

YIELD (kg/ha): 6,425

MATURITY (DAS): 114

PLANT HEIGHT (cm): 113

PRODUCTIVE TILLERS (no./hill): 14

MAJOR REASONS FOR RECOMMENDING

a. With an average yield advantage of 16.1% during DS;
b. Early maturing at 114 days;
c. Resistant to moderately resistant to Whiteheads (WSB);
d. Resistant to blast in PhilRice Midsayap and VSU;
e. Very good milling potentials;
f. High percentage acceptability both in cooked and raw forms.

GRAIN QUALITY:
Brown rice recovery (%): 76.5 F
Milling recovery (%): 66.1 G1
Head rice recovery (%): 40.0 G2
Amylose content (%): 17.5 L
Protein (%): -
G.T. Score: 5.0 I/L/HI

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija

A picture of rice grains is shown.
**NSIC 2011 Rc264H ‘Mestiso 39’**  
Irrigated Lowland (Hybrid)

**RECOMMENDATION:** Luzon, Visayas, Mindanao

**BACKGROUND:**
- Pedigree Number: MR 1
- Parents: -

**YIELD (kg/ha):** 6,274

**MATURITY (DAS):** 118

**PLANT HEIGHT (cm):** 115

**PRODUCTIVE TILLERS (no./hill):** 13

**MAJOR REASONS FOR RECOMMENDING**

a. With yield advantage of 20.2% during the WS;
b. Resistant to blast in PhilRice Isabela and intermediate to PhilRice CES and Midsayap;
c. Resistant to moderately resistant to Deadheart (WSB & YSB) and Whiteheads (YSB);
d. Very good milling recovery, with intermediate amylose content;
e. Highly acceptable both in cooked and raw forms.

**GRAIN QUALITY:**

- Brown rice recovery (%): 77.2 F
- Milling recovery (%): 65.9 G1
- Head rice recovery (%): 40.9 G2
- Amylose content (%): 20.41
- Protein (%): -
- G.T. Score: 5.41

**Breeder:** ADVANTA International (Phils.)
Fire National Training Institute,  
Camp Vicente Lim, Calamba, Laguna
NSIC 2011 Rc266H ‘Mestiso 40’
Irrigated Lowland (Hybrid)

**RECOMMENDATION:** Luzon, Visayas, Mindanao

**BACKGROUND:**
Pedigree Number : DRH 257
Parents : -

**YIELD (kg/ha)** : 6,341
**MATURITY (DAS)** : 110
**PLANT HEIGHT (cm)** : 111
**PRODUCTIVE TILLERS (no./hill)** : 12

**MAJOR REASONS FOR RECOMMENDING**

a. More than 15% yield advantage over the check variety;
b. Early maturing at 110 days;
c. Wide spectrum of intermediate resistance to blast, BLB and SHB;
d. High milling recovery;
e. Highly acceptable in the cooked form;
f. Resistant to moderately resistant to Deadhearts (YSB and WSB) and Whiteheads (WSB).

**GRAIN QUALITY:**

- Brown rice recovery (%) : 78.1 F
- Milling recovery (%) : 67.2 G1
- Head rice recovery (%) : 39.8 G2
- Amylose content (%) : 19.3 L
- Protein (%) : -
- G.T. Score : 5.9 L/I

**Breeder:** DEVGEN, Philippines

6708 Bangkal St., San Antonio, Los Baños, Laguna
NSIC 2011 Rc268H ‘Mestiso 41’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: DRH 1531
Parents: -

YIELD (kg/ha): 6,514

MATURITY (DAS): 115

PLANT HEIGHT (cm): 113

PRODUCTIVE TILLERS (no./hill): 12

MAJOR REASONS FOR RECOMMENDING:

a. High yield advantage during the WS in CMU, Hagonoy (USM) and in Aurora, Isabela;
b. Early maturing at 115 days;
c. High milling recovery with long and slender grains;
g. Highly acceptable in the raw form.

GRAIN QUALITY:
Brown rice recovery (%): 78.1 F
Milling recovery (%): 66.4 G1
Head rice recovery (%): 45.3 G2
Amylose content (%): 18.8 L
Protein (%): -
G.T. Score: 6.2 L/I

Breeder: DEVGEN, Philippines
6708 Bangkal St., San Antonio, Los Baños, Laguna
NSIC 2011 Rc270H ‘Mestiso 42’
Irrigated Lowland (Hybrid)

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: DRH 007
Parents: -

YIELD (kg/ha): 6,495
MATURITY (DAS): 109
PLANT HEIGHT (cm): 117
PRODUCTIVE TILLERS (no./hill): 12

MAJOR REASONS FOR RECOMMENDING
a.) High yield advantage during the WS in Bohol APC and in DA-CVLMROS;
b.) Very early maturing at 109 days;
c.) Resistant to blast in UPLB and intermediate in PhilRice CES, Midsayap, Isabela and VSU;
d.) Resistant to moderately resistant to Deadhearts (WSB & YSB);
e.) Grade 1 milling recovery; and
f.) High percentage acceptability especially in the raw form.

GRAIN QUALITY:
Brown rice recovery (%): 77.7 F
Milling recovery (%): 67.1 G1
Head rice recovery (%): 44.8 G2
Amylose content (%): 21.81
Protein (%): -
G.T. Score: 5.7 I/L

Breeder: DEVGEN, Philippines
6708 Bangkal St., San Antonio, Los Baños, Laguna
NSIC 2011 Rc272 ‘Sahod Ulan 2’
Rainfed Lowland

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: PR34363-4-Pokkali/AC-45-MrR-19
Parents: Pokkali

YIELD (kg/ha): 3,003
MATURITY (DAS): 110
PLANT HEIGHT (cm): 88
PRODUCTIVE TILLERS (no./hill): 94

MAJOR REASONS FOR RECOMMENDING
a. With an average yield of 3.0 t/ha, and high yield advantage of 29.7% over the check variety;
b. Early maturing at 110 days;
c. Resistant to intermediate reaction to blast in PhilRice Isabela, UPLB & CVIARC blight and sheath blight in WESVIARC;
d. Intermediate amylose content with high milling recovery;
e. Resistant to moderately resistant to Whiteheads (WSB & YSB) in majority of the test sites.

GRAIN QUALITY:
Brown rice recovery (%): 75.6 F
Milling recovery (%): 66.6 G1
Head rice recovery (%): 32.3 G3
Amylose content (%): 25.01
Protein (%): 7.3
G.T. Score: 6.7 L/I/HI

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija
NSIC 2011 Rc274 ‘Sahod Ulan 3’
Rainfed Lowland

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: IR81412-B-B-82-1
Parents: IR57514-PMI-5-B1-2/PSB Rc82

YIELD (kg/ha): 2,977
MATURITY (DAS): 116
PLANT HEIGHT (cm): 92
PRODUCTIVE TILLERS (no./hill): 69

GRAIN QUALITY:
Brown rice recovery (%): 76.2 F
Milling recovery (%): 67.5 G1
Head rice recovery (%): 35.8 G3
Amylose content (%): 18.7 L
Protein (%): 7.4
G.T. Score: 4.4 I/L

Breeder: International Rice Research Institute
Los Baños, Laguna

MAJOR REASONS FOR RECOMMENDING
a. High yield advantage of 28.5% over the check variety;
b. Resistant to blast in CVIARC, and intermediate to VSU;
c. Resistant to intermediate reaction to Whiteheads (YSB) in all sites; and
   d. Long and slender grain with high milling recovery.
**NSIC 2011 Rc276 ‘Sahod Ulan 4’**

**Rainfed Lowland**

**RECOMMENDATION:** Luzon, Visayas

**BACKGROUND:**
- Pedigree Number: C8108-B-10-2-2-1
- Parents: C5649-2B-5-2-2-1/
  IR74627-30-1-1-8

**YIELD (kg/ha):**
- Phase I: 2,630

**MATURITY (DAS):** 119

**PLANT HEIGHT (cm):** 100

**PRODUCTIVE TILLERS (no./hill):** 81

**MAJOR REASONS FOR RECOMMENDING**

a. High yield advantage of 28.5% over the check variety;
b. Resistant to blast in CVIARC;
c. Resistant to intermediate reaction to Whiteheads (YSB) in PhilRice CES, VSU & CVIARC;
d. Long and slender grain with high milling and headrice recovery.

**GRAIN QUALITY:**
- Brown rice recovery (%): 78.0 F
- Milling recovery (%): 69.0 G1
- Head rice recovery (%): 53.9 G1
- Amylose content (%): 26.0 H
- Protein (%): 5.7
- G.T. Score: 4.6 I

**Breeder:** University of the Philippines Los Baños College, Los Baños, Laguna
NSIC 2011 Rc278 ‘Sahod Ulan 5’
Rainfed Lowland

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: IR81023-B-116-1-2
Parents: IR77298-5-6/
CT6510-24-1-2

YIELD (kg/ha): 2,421

MATURITY (DAS): 110

PLANT HEIGHT (cm): 122

PRODUCTIVE TILLERS (no./hill): 86

MAJOR REASONS FOR RECOMMENDING:

a. Average yield of 2.4 t/ha and yield advantage of 4.5% over the check variety;
b. Early maturing at 110 days;
c. Resistant to intermediate reaction to blast;
d. Resistant to moderately resistant to Whiteheads (WSB & YSB) in 6 test sites;
e. Intermediate amylose content;
f. High milling recovery and highly acceptable.

GRAIN QUALITY:

Brown rice recovery (%): 76.5 F
Milling recovery (%): 68.5 G1
Head rice recovery (%): 40.0 G2
Amylose content (%): 20.41
Protein (%): 7.1
G.T. Score: 6.9 L/I

Breeder: International Rice Research Institute
Los Baños, Laguna
NSIC 2011 Rc280 ‘Sahod Ulan 6’
Rainfed Lowland

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: IR72667-16-1-B-B-3
Parents: WS91 (ACC0797)/ABHAYA/IR43070-UBN-511-12-1-1-1

YIELD (kg/ha): 2,516
MATURITY (DAS): 123
PLANT HEIGHT (cm): 104
PRODUCTIVE TILLERS (no./hill): 81

MAJOR REASONS FOR RECOMMENDING
a. With positive yield advantage of 8.6% over the check variety;
b. Resistant to intermediate to Whiteheads (WSB & YSB) in majority of the test sites; and
c. Intermediate amylose content and Grade 1 milling recovery;
d. Aromatic with high percentage acceptability.

GRAIN QUALITY:
Brown rice recovery (%): 75.7 F
Milling recovery (%): 65.4 G1
Head rice recovery (%): 38.3 G3
Amylose content (%): 22.31
Protein (%): 7.5
G.T. Score: 6.9 L/I

Breeder: International Rice Research Institute
Los Baños, Laguna
NSIC 2011 Rc282 ‘Sahod Ulan 7’
Rainfed Lowland

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: C8231-B-1-1
Parents: C5649-2B-5-2-2-1/
C6518-2B-5-1-1

YIELD (kg/ha): 2,878
Maturity (DAS): 120
Plant Height (cm): 115
Productive Tillers (no./hill): 68

MAJOR REASONS FOR RECOMMENDING
a. With a yield advantage of 8.6% over the check variety;
b. Resistant to intermediate reaction to sheath blight in majority of the test sites;
c. Very good milling and headrice recovery.

GRAIN QUALITY:

Brown rice recovery (%): 77.4 F
Milling recovery (%): 69.3 G1
Head rice recovery (%): 53.8 G1
Amylose content (%): 27.2 H
Protein (%): 5.8
G.T. Score: 4.91

Breeder: University of the Philippines Los Baños College, Los Baños, Laguna
NSIC 2011 Rc284 ‘Sahod Ulan 8’
Rainfed Lowland

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: IR74963-262-5-1-3-3
Parents: IR43/IR65564-22-2-3/IR68

YIELD (kg/ha): 3,733
MATURITY (DAS): 114
PLANT HEIGHT (cm): 98
PRODUCTIVE TILLERS (no./hill): 91

MAJOR REASONS FOR RECOMMENDING:

a. Average yield of 3733 kg/ha and yield advantage of 10.2% over the check variety;
b. Early maturing at 114 days;
c. Resistant to intermediate reaction to blast;
d. Resistant to moderately resistant to WSB & YSB;

e. Intermediate amylose content with extra-long and slender grain;
f. High milling recovery;
g. Highly preferred in the raw form.

GRAIN QUALITY:

Brown rice recovery (%): 77.9 F
Milling recovery (%): 68.2 G1
Head rice recovery (%): 41.2 G2
Amylose content (%): 22.21
Protein (%): 6.4
G.T. Score: 5.0 I/L

Breeder: International Rice Research Institute
Los Baños, Laguna
NSIC 2011 Rc286 ‘Sahod Ulan 9’
Rainfed Lowland

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: C6392-2B-3-3-1-2
Parents: TOX 4004-36-2-3-2/Katsuri 1 (MS4)

GRAIN QUALITY:
Brown rice recovery (%): 79.5 F
Milling recovery (%): 70.9 Pr
Head rice recovery (%): 48.9 G1
Amylose content (%): 26.9 H
Protein (%): 6.0
G.T. Score: 5.1 I/L

RECOMMENDATION:
- Premium milling recovery, fair brown rice and grade 1 milling recovery with long & slender grains and with high acceptability.

MAJOR REASONS FOR RECOMMENDING
a. Average yield of 3.5 t/ha and yield advantage of 13.0% over the check variety;
b. Early maturing at 115 days;
c. YIELD (kg/ha): 3,494
MATURITY (DAS): 115
PLANT HEIGHT (cm): 94
PRODUCTIVE TILLERS (no./hill): 97

Breeder: University of the Philippines Los Baños
College, Los Baños, Laguna

NATIONAL SEED INDUSTRY COUNCIL ● CROP VARIETIES CY 2011
NSIC 2011 Rc288 ‘Sahod Ulan 10’
Rainfed Lowland

<table>
<thead>
<tr>
<th>RECOMMENDATION:</th>
<th>Luzon, Visayas, Mindanao</th>
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<td>BACKGROUND:</td>
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<td>Pedigree Number</td>
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<td>YIELD (kg/ha)</td>
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<td>MATURITY (DAS)</td>
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<td>PLANT HEIGHT (cm)</td>
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<tr>
<td>PRODUCTIVE TILLERS (no./hill)</td>
<td>60</td>
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</tbody>
</table>

**MAJOR REASONS FOR RECOMMENDING**

- a. Average yield of 3.0 t/ha, and yield advantage of 5.4%;
- b. Resistant to blast, bacterial leaf blight and stemborer across the test sites;
- c. High milling and headrice recovery; and
- d. Better sensory qualities in cooked form.

**GRAIN QUALITY:**

- Brown rice recovery (%): 77.7 F
- Milling recovery (%): 69.7 G1
- Head rice recovery (%): 56.9 G1
- Amylose content (%): 19.67 L
- Protein (%): 8.3
- G.T. Score: 6.9 L

**Breeder:** Philippine Rice Research Institute
Malgaya, Science City of Muñoz
Nueva Ecija

**BACKGROUND:**

Pedigree Number: PR25769-B-9-1
Parents: M9-33B/IR53236-218-3
YIELD (kg/ha): 3,562
MATURITY (DAS): 118
PLANT HEIGHT (cm): 127
PRODUCTIVE TILLERS (no./hill): 60
NSIC 2011 Rc23 ‘Katihan 1’
Upland

RECOMMENDATION:
Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree Number: IR79913-B-176-B-4
Parents: IR55419-04/WAY RAREM

YIELD (kg/ha): 2,993
MATURITY (DAS): 108
PLANT HEIGHT (cm): 108
PRODUCTIVE TILLERS (no./hill): 64

MAJOR REASONS FOR RECOMMENDING

a. Average yield of 2.9 t/ha and yield advantage of 6.9% over the check variety;
b. Very early maturing at 108 days;
c. Strong resistance to blast and Whiteheads (WSB & YSB) in majority of the test sites;
d. Intermediate amylose content;
e. Good milling and headrice recovery.

GRAIN QUALITY:
Brown rice recovery (%): 74.5 P
Milling recovery (%): 63.8 G2
Head rice recovery (%): 38.9 G3
Amylose content (%): 21.21
Protein (%): 7.7
G.T. Score: 4.6 I/HI/L

Breeder: International Rice Research Institute
International Rice Research Institute
Los Baños, Laguna
NSIC 2011 Rc290 ‘Salinas 6’
Saline

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: PR28377-AC97-54
Parents: PSB Rc50/PSB Rc10

YIELD (kg/ha): 3,564

MATURITY (DAS): 113

PLANT HEIGHT (cm): 81

PRODUCTIVE TILLERS (no./hill): 14

MAJOR REASONS FOR RECOMMENDING

a. Very high yield advantage of 69.7%; 40.3% and 60.9% during the DS, WS and AS, respectively;
b. Early maturing at 113 days;
c. With moderate salinity field tolerance;
d. Resistance to blast, bacterial leaf blight stemborer, brown planthopper and green leafhopper;
e. High milling and headrice recovery with fair brown rice; and
f. Highly acceptable in the cooked and raw forms.

GRAIN QUALITY:
Brown rice recovery (%): 78.7 F
Milling recovery (%): 69.3 G1
Head rice recovery (%): 53.0 G1
Amylose content (%): 19.1 L
Protein (%): -
G.T. Score: 3.6 HI/L

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija
NSIC 2011 Rc292 ‘Salinas 7’
Saline Prone Irrigated Lowland

RECOMMENDATION: Luzon, Visayas

BACKGROUND:
Pedigree Number: PR30244-AC-V19
Parents: Wagwag (Anther-Culture)

YIELD (kg/ha): 2,976
MATURITY (DAS): 111
PLANT HEIGHT (cm): 86
PRODUCTIVE TILLERS (no./hill): 15

GRAIN QUALITY:
Brown rice recovery (%): 78.6 F
Milling recovery (%): 69.8 G1
Head rice recovery (%): 55.3 G1
Amylose content (%): 18.0 L
Protein (%): 6.8
G.T. Score: 4.0 HI/I/L

Breeder: Philippine Rice Research Institute
Maligaya, Science City of Muñoz
Nueva Ecija

MAJOR REASONS FOR RECOMMENDING

a. Average yield advantage of 12.5%, 29.3%, and 23.7% during DS, WS, and AS, respectively;
b. Early maturing at 111 days;
c. High milling and headrice recovery and fair brown rice with long and slender grains.
**NSIC 2011 Rc294 ‘Salinas 8’**  
Saline Prone Irrigated Lowland

**RECOMMENDATION:** Luzon, Visayas

**BACKGROUND:**
- Pedigree Number: PR28378-AC96-36
- Parents: PSB Rc50/IR64

**YIELD (kg/ha):**
- Phase I: 2,868

**MATURITY (DAS):** 117

**PLANT HEIGHT (cm):** 84

**PRODUCTIVE TILLERS (no./hill):** 15

**MAJOR REASONS FOR RECOMMENDING**

1. Yield advantage of 48.2%, 15.7%, and 23.9% during DS, WS, and AS, respectively;
2. Moderate salinity tolerance;
3. Good grain quality with high milling and head rice recovery and intermediate amylose with long and slender grain.

**GRAIN QUALITY:**
- Brown rice recovery (%): 77.9 F
- Milling recovery (%): 68.1 G1
- Head rice recovery (%): 54.0 G1
- Amylose content (%): 21.01
- Protein (%): 7.9
- G.T. Score: 4.9 H/1/H1

**Breeder:** Philippine Rice Research Institute  
Maligaya, Science City of Muñoz  
Nueva Ecija
### NSIC 2011 Rc296 ‘Salinas 9’

**Saline Prone Irrigated Lowland**

**Recommendation:** Luzon, Visayas

**Background:**
- **Line Designation:** IR71896-3R-8-3-1
- **Parents:** IR55182-3B-14-3-2/IR65195-3B-13-2-3

**Yield (kg/ha):** 3,198

**Maturity (DAS):** 117

**Plant Height (cm):** 83

**Productive Tillers (no./hill):** 15

**Major Reasons for Recommending:**
- a. With very high yield advantage especially during the DS, 55.7%; and 32.3% in the WS; and 38.1% AS;
- b. Intermediate salinity tolerance under field condition;
- c. Intermediate amylose content;
- d. Premium milling recovery and Grade 1 head rice recovery, and fair brown rice;
- e. Better sensory qualities in cooked and raw forms.

**Grain Quality:**
- Brown rice recovery (%): 79.1 F
- Milling recovery (%): 70.1 Pr
- Head rice recovery (%): 55.3 G1
- Amylose content (%): 23.91
- Protein (%): -
- G.T. Score: 5.1 I/HI/L

**Breeder:**
- International Rice Research Institute
- Los Baños, Laguna

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**National Seed Industry Council • Crop Varieties CY 2011**
NSIC 2008 Cn-215* ‘PAC 259’
Yellow Corn Hybrid

RECOMMENDATION:

BACKGROUND:
Type: Single Cross Hybrid

VARIETAL CHARACTERISTICS:
Yeild (mt/ha): 7.98
Maturity (days):
- 106 dry season
- 106 wet season
Plant height (cm):
- 177.5 dry season
- 263 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION

Highly adaptable to the agro-climatic conditions prevailing in major corn growing areas in Visayas. The variety performs well during the wet and dry season.

MAJOR REASONS FOR RECOMMENDING
a. High yield potential;
b. Good shelling recovery;
c. Very good husk cover and ear fill characteristics;
d. Excellent stay green characteristics;
e. Ears are as long.

Breeder: ADVANTA International (Phils.)
8th Floor Sagittarius Bldg.,
Dela Costa S. Corner,
Leviste St., Salcedo Village, Makati City
RECOMMENDATION: Visayas

BACKGROUND:
Type: Single Cross Hybrid

VARIETAL CHARACTERISTICS:
Yeild (mt/ha): 8.24
Maturity (days):
  - 106 dry season
  - 101 wet season
Plant height (cm):
  - 180 dry season
  - 266 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION
Highly adaptable to the agro-climatic conditions prevailing in major corn growing areas in Visayas. This variety performs well during the wet and dry season.

MAJOR REASONS FOR RECOMMENDING
a. High yield potential;
b. Shelling recovery is high;
c. Very good husk cover and ear fill characteristics;
d. Excellent stay green characteristics;
e. Ears are as long;
f. Very good ear fill characteristics.

Breeder: ADVANTA International (Phils.)
8th Floor Sagittarius Bldg.,
Dela Costa S. Corner,
Leviste St., Salcedo Village, Makati City
NSIC 2011 Cn-254 ‘SAMPANN’
Yellow Corn Hybrid

**RECOMMENDATION:** Luzon

**BACKGROUND:**
Type: Modified Cross Hybrid

**VARIETAL CHARACTERISTICS:**
- Yeild (mt/ha): 8.24
- Maturity (days):
  - Dry season: 106
  - Wet season: 101
- Plant height (cm):
  - Dry season: 180
  - Wet season: 266

**AGRO-CLIMATIC AND SEASONAL ADAPTATION**
Highly adaptable to the agro-climatic conditions prevailing in major corn growing areas in Luzon. This variety performs well during the wet and dry season.

**MAJOR REASONS FOR RECOMMENDING**
- High yield potential;
- Very good husk cover;
- Very good ear fill characteristics.

**Breeder:** Bio Science, Bayer Crop Science Inc.
Brgy. Bangyas, Calauan, Laguna
NSIC 2011 Cn-255 ‘S 6219’
Yellow Corn Hybrid

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Type: Single Cross Hybrid

VARIETAL CHARACTERISTICS:
Yield (mt/ha): 8.20
Maturity (days):
  - 107 dry season
  - 108 wet season
Plant height (cm):
  - 228.5 dry season
  - 245.4 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION
Highly adapted to different agro-climatic conditions prevailing across Luzon, Visayas and Mindanao.

MAJOR REASONS FOR RECOMMENDING
a. High yield potential;
b. Longer ear length;
c. Good husk cover;
d. Excellent ear-fill characteristics;
e. Erect foliar type.

Breeder: Syngenta Philippines Inc.
Conel Rd., San Isidro,
General Santos City, 9500
NSIC 2011 Cn-256 ‘S 6259’
Yellow Corn Hybrid

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Type: Single Cross Hybrid

VARIETAL CHARACTERISTICS:
 Yield (mt/ha): 8.08
 Maturity (days):
 - 107 dry season
 - 103 wet season
 Plant height (cm):
 - 196 dry season
 - 228.8 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION
Highly adapted to different agro-climatic conditions prevailing across Luzon, Visayas and Mindanao.

MAJOR REASONS FOR RECOMMENDING
a. High yield potential;
b. Longer ear length;
c. Good husk cover;
d. Excellent ear-fill characteristics;
e. Erect foliar type.

Breeder: Syngenta Philippines Inc.
Conel Rd., San Isidro,
General Santos City, 9500

BACKGROUND:
Type: Single Cross Hybrid

YEILD (mt/ha): 8.08
MATURITY (days):
- 107 dry season
- 103 wet season
PLANT HEIGHT (cm):
- 196 dry season
- 228.8 wet season
NSIC 2011 Cn-257 ‘J757’
Yellow Corn Hybrid

RECOMMENDATION: Visayas

BACKGROUND:
Type: Single Cross Hybrid

VARIETAL CHARACTERISTICS:
Yeild (mt/ha): 7.26
Maturity (days):
- 102 dry season
- 103 wet season
Plant height (cm):
- 199 dry season
- 246.5 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION
Performs well in both high and low elevation but not waterlogged areas in Visayas.

MAJOR REASONS FOR RECOMMENDING
a. Good ear-fill characteristic;
b. Early maturing;
c. High yield potential.

Breeder: Asian Hybrid Seed Technologies, Inc.
Aglayan, Malaybalay City,
Bukidnon, 8700
NSIC 2011 Cn-258 ‘J707’
Yellow Corn Hybrid

RECOMMENDATION:

Visayas

BACKGROUND:

Type: Single Cross Hybrid

VARIETAL CHARACTERISTICS:

Yeild (mt/ha): 7.15

Maturity (days):
  100 dry season
  102 wet season

Plant height (cm):
  191.5 dry season
  247.2 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION

Breeder: Asian Hybrid Seed Technologies, Inc.
Aglayan, Malaybalay City,
Bukidnon, 8700

MAJOR REASONS FOR RECOMMENDING

a. Good ear-fill characteristic;
b. Early maturing;
c. High yield potential;
d. Longer ear length.

Performs well in both high and low elevation but not waterlogged areas in Visayas.
NSIC 2011 Cn-259 ‘J505’
Yellow Corn Hybrid

RECOMMENDATION:  Luzon, Mindanao
BACKGROUND:
Type : Single Cross Hybrid

VARIETAL CHARACTERISTICS:
Yeild (mt/ha) : 7.74 (Luzon)
: 8.05 (Mindanao)
Maturity (days) : 101 dry season
: 103 wet season
Plant height (cm) : 208 dry season
: 254.7 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION
Performs well in both high and low elevation but not waterlogged areas in Luzon and Mindanao.

MAJOR REASONS FOR RECOMMENDING
a. Good ear-fill characteristic;
b. Longer ear length;
c. High yield potential;
d. Early maturing.

Breeder: Asian Hybrid Seed Technologies, Inc.
Aglayan, Malaybalay City,
Bukidnon, 8700
NSIC 2009 Cn-229 ‘CW 159w’
White Corn Hybrid

RECOMMENDATION:

BACKGROUND:
Type: Single Cross Hybrid

VARIETAL CHARACTERISTICS:
Yeild (mt/ha): 7.04
Maturity (days):
- 105 dry season
- 104 wet season
Plant height (cm):
- 172 dry season
- 236.6 wet season

MAJOR REASONS FOR RECOMMENDING
a. Excellent ear-fill characteristic;
b. Good shelling recovery;
c. High yield potential;
d. Shorter plant height during dry season.

Breeder: B.M. Domingo & Co. Inc.
414 Padre Rada St., Corner Asuncion St.,
Divisoria Area, Tondo, Manila

AGRO-CLIMATIC AND SEASONAL ADAPTATION
Performs well in low-elevation but not waterlogged areas in Visayas.
NSIC 2010 Cn-247* ‘TSG 108w’
White Corn Hybrid

RECOMMENDATION:

BACKGROUND:
Type: Three-Way Cross Hybrid

VARIETAL CHARACTERISTICS:
Yield (mt/ha): 6.44
Maturity (days):
- 100 dry season
- 108 wet season
Plant height (cm):
- 237 dry season
- 216.7 wet season

AGRO-CLIMATIC AND SEASONAL ADAPTATION
Performs well in both high and low-elevation but not waterlogged areas in Mindanao.

MAJOR REASONS FOR RECOMMENDING
a. Good ear-fill characteristic;
b. Long ears;
c. High yield potential;
d. High shelling recovery.

Breeder: Tropical Seed Genetics Science, Inc.
Loveland Homes Subdivision,
General Santos City
### Recommendation:

**NSIC 2011 Cn-260 ‘IES 09-2w’**  
White Corn Hybrid

**Varietal Characteristics:**

<table>
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<tr>
<th>Characteristic</th>
<th>Value</th>
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<td>Yeild (mt/ha)</td>
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<tr>
<td>Maturity (days)</td>
<td>107 dry season</td>
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<td>100 wet season</td>
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<tr>
<td>Plant height (cm)</td>
<td>203.8 dry season</td>
</tr>
<tr>
<td></td>
<td>204 wet season</td>
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</tbody>
</table>

**Breeder:** Cagayan Valley Integrated Agricultural Research Center  
Ilagan, Isabela

**Major Reasons for Recommending:**

a. High yield potential;  
b. Very good husk cover;  
c. Very good ear-fill characteristics.

**Background:** Type: Open Pollinated Variety  
Luzon

**Agro-climatic and Seasonal Adaptation:**

Highly adaptable to the agro-climatic conditions prevailing in major corn growing areas in Luzon.
NSIC 2011 Mg17 ‘Mabunga 4’
Mungbean

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Pedigree No. VC 3890A x V 2709

AGRONOMIC AND SEASONAL ADAPTATIONS:
Recommended as national variety for both wet and dry seasons.

MAJOR REASONS FOR RECOMMENDING:
a. Well adapted to different regions in the country;
b. Good eating quality.

Breeder: Mungbean Research Project
BPI-LBNCRDC Development Center
Los Baños, Laguna

VARIETAL CHARACTERISTICS:
Bean yield (kg/ha):
- 1281.8 wet season
- 1154.4 dry season

100-seed weight (g):
- 5.8 wet season
- 6.3 dry season

Days to mature (DAE):
- 56.4 wet season
- 57.5 dry season

Plant height (cm):
- 74.9 wet season
- 55.4 dry season

Seed coat color: Glossy green

SEED QUALITY:
Crude Protein (%): 24.12
Carbohydrates (%): 63.40
Crude fat (%): 24.12
Ash (%): 3.78
NSIC 2011 Pn16 ‘USM Pn1’

Peanut

RECOMMENDATION: Mindanao

BACKGROUND:
Pedigree No. : USMARC Pn9801

VARIETAL CHARACTERISTICS:
Bean yield (kg/ha) : 2086 wet season
: 2125 dry season
100-seed weight (g) : 55.7 wet season
: 57.1 dry season
Days to flower (DAE) : 20 wet season
: 22 dry season
Days to mature (DAE) : 89 wet season
: 88 dry season
Plant height (cm) : 69.8 wet season
: 62.3 dry season
Shelling recovery (%) : 75.3 wet season
: 75.3 dry season

AGRONOMIC AND SEASONAL ADAPTATIONS:
Highly adapted in different regions in Mindanao and it is recommended as a regional variety for Mindanao for both wet and dry season.

MAJOR REASONS FOR RECOMMENDING:
a. Early maturing at 88-89 days after emergence (DAE);
b. Medium seed size, attractive seeds with red color, long pods with three seeds which are the characteristics preferred by farmers and consumers in many parts of Mindanao.

Breeder:
University of Southern Mindanao Agricultural Research Center
USM, Kabacan, Cotabato
**NSIC 2011 Sp-32 ‘UPL Sp-13’**

Sweet Potato

**RECOMMENDATION:** Luzon, Visayas, Mindanao

**BACKGROUND:**
Parents/Pedigree No.
BNAS 51 x W86

**VARIETAL CHARACTERISTICS:**
- Root yield (t/ha): 19.9
- Maturity (days): 120 wet season, 105 dry season

**ROOT CHARACTERISTICS:**
- Dry matter content (%): 37.7
- Protein content (%): 2.0
- Sugar content (%): 9.0
- Starch content (%): 25.4
- Skin color: Pink
- Flesh color: Yellow
- Root shape: Round

**MAJOR REASONS FOR RECOMMENDING:**
- a. High yielding;
- b. It has intermediate percent root dry matter and starch contents;
- c. It has high root sugar content, bright yellow flesh and agreeable flavor;
- d. Table type variety.

**Breeder:** University of the Philippines Los Baños College, Los Baños, Laguna

**BACKGROUND:**
Parents/Pedigree No.
BNAS 51 x W86

**AGRO-CLIMATIC AND SEASONAL ADAPTATIONS:**
Generally adapted to all growing regions in the Philippines.
NSIC 2011 Sp-33 ‘VSU Yellow’
Sweet Potato

RECOMMENDATION: Luzon, Visayas, Mindanao

BACKGROUND:
Parents/Pedigree No. : VSP 5 (female) & unknown being, a product of polycross

MAJOR REASONS FOR RECOMMENDING:

a. Good eating quality;
b. Higher tuber yield and alternative for other varieties with similar traits;
c. For table and processed products.

Breeder: Visayas State University
Visca, Baybay City, Leyte

BACKGROUND:
Parents/Pedigree No. :

VARIETAL CHARACTERISTICS:
Tuber yield (t/ha) : 16.9
Growth habit : Spreading

ROOT CHARACTERISTICS:
Dry matter yield (t/ha) : 7
DMC (%) : 41.1
Sugar content (%) : 5.9
Starch content (%) : 29.6
Skin color : Pink
Flesh color : Yellow orange
Root shape : Ovate

AGRO-CLIMATIC AND SEASONAL ADAPTATIONS:
Generally performs well in plain and hilly condition.
NSIC 2011 Bf01 ‘FB Cachola’
Breadfruit

BACKGROUND:
Botanical name: *Artocarpus altilis*
Origin: Unknown
Name of originator: MMSU
Address of originator: Batac City, Ilocos Norte

TREE CHARACTERISTICS:
Age (years after planting): >50
Height (m): 5
Growth habit: Spreading
Fruiting season: August-September
Regularity of bearing: Biennial
Yield: 86 fruits

FRUIT CHARACTERISTICS:
Whole fruit
- Weight (g): 652.7
- Length (mm): 12.1
- Width (mm): 10.9
- Shape: Round, oblong
- Color: Light green
- Texture: Smooth
- Edible portion (%): 86.7
- Thickness (mm): 86.3

FLESH:
- Color: Yellow
- Texture: Smooth
- Juiciness: Not juicy
- Fibers: –
- Aroma: Mild
- TSS (°Brix): 20.8
- Flavor: Sweet
- Edible portion (%): 86.7
- Thickness (mm): 4.6

Owner/Originator: Mariano Marcos State University
Batac City, Ilocos Norte
**NSIC 2011 Rb07 ‘Angel Sweet’**  
Rambutan

**BACKGROUND:**

<table>
<thead>
<tr>
<th>Scientific name</th>
<th>Nephelium lappaceum Linn</th>
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<tbody>
<tr>
<td>Origin</td>
<td>Balete, Aklan</td>
</tr>
<tr>
<td>Name of originator</td>
<td>Danilo E. Abayon</td>
</tr>
<tr>
<td>Address of originator</td>
<td>Balete, Aklan</td>
</tr>
</tbody>
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**TREE CHARACTERISTICS:**

| Age (years after planting) | 22 |
| Height (m)                | 7.62 |
| Growth habit              | Spreading |
| Fruiting season           | August-October |
| Regularity of bearing     | Annual |
| Yield                     | 4-5 kaings, average of 140 kg |

**FRUIT CHARACTERISTICS:**

**Whole fruit**

<table>
<thead>
<tr>
<th>Size</th>
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<tbody>
<tr>
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<tr>
<td>Length (mm)</td>
<td>50</td>
</tr>
<tr>
<td>Width (mm)</td>
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<tr>
<td>Shape</td>
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<tr>
<td>Color</td>
<td>Red orange</td>
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<tr>
<td>Texture</td>
<td>Tough and leathery</td>
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<td>Thickness (mm)</td>
<td>3.5</td>
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<td>21.3</td>
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<td>Spinstern length (mm)</td>
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**Skin**

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<th>Flesh</th>
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<tr>
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<tr>
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<td>TSS (°Brix)</td>
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<tr>
<td>Flavor</td>
<td>Sweet</td>
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<tr>
<td>Edible portion (%)</td>
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<td>Thickness (mm)</td>
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**Owner/Originator:** Danilo Abaya  
Balete, Aklan
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<th>CROP</th>
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<th>VARIETY NAME</th>
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