

# NSIC

NATIONAL SEED INDUSTRY COUNCIL

## 2023

# Crop Entry Applications

**TABLE OF CONTENTS**

	<b>Page</b>
<b>RICE</b>	
ACVR 2023 Rc-105-210 "AZ8455DT" .....	3
ACVR 2023 Rc-112-219 "KRHP299" .....	4
ACVR 2023 Rc-113-220 "KRHP497" .....	4
<b>FRUIT CROPS</b>	
ACVR 2023 Mn-003-217 "Kyla Luz" .....	5
ACVR 2023 Tr-002-218 "FkReyes Sour 2" .....	6

# NSIC Crop Entry Applications

**Application Number:** ACVR 2023 Rc-105-210  
**Date of Filing:** January 19, 2023  
**Proposed Denomination:** AZ8455DT  
**Applicant:** Bayer Crop Science, Incorporated  
**Crop:** Rice



## Description:

Parameter	Unit	2021 Dry Season	2021 Wet Season	2020 Dry Season	2020 Wet Season
<b>Yield Ave.</b>	Mt/ha	9.3	8.8	9.5	8.7
<b>Yield Range</b>	Mt/ha	6.8 – 11.8	6.2 – 11.4	6.9 – 12.1	6.6 – 10.8
<b>Maturity</b>	Days	117	118	118	115
<b>Plant Height</b>	cm	117	123	119	124
<b>Spikelet Fertility</b>	%	86	86	86	87
<b>Milling Recovery</b>	%	72			
<b>Head Rice Recovery</b>	%	60			
<b>Grain Length/Breadth</b>	mm	6.6 / 2.4			
<b>Amylose</b>	%	22			
<b>BLB Rating</b>	Rating 1-7	1	1	1	1
<b>BPH Rating</b>	Rating 1-7	3	3	3	3

<b>Application Number:</b>	ACVR 2023 Rc-112-219
<b>Date of Filing:</b>	April 17, 2023
<b>Proposed Denomination:</b>	KRHP299
<b>Applicant:</b>	Enviro Scope Synergy Inc.
<b>Crop:</b>	Rice

## Morphological Characters

**Maturity** : 120 – 125 days  
**Plant Habit** : Semi erect plant type  
 and sturdy culm  
**Plant height** : 115 – 120 cm  
**Tillers/plant** : 10 – 12  
**Test weight** : 28 – 30 g  
**Grain type** : Long bold



<b>Application Number:</b>	ACVR 2023 Rc-113-220
<b>Date of Filing:</b>	April 17, 2023
<b>Proposed Denomination:</b>	KRHP497
<b>Applicant:</b>	Enviro Scope Synergy Inc.
<b>Crop:</b>	Rice

## Morphological Characters

**Maturity** : 115 – 120 days  
**Plant Habit** : Erect plant type and sturdy  
 culm  
**Plant height** : 120 - 125 cm  
**Tillers/plant** : 12 - 14  
**Test weight** : 26 – 28 g  
**Grain type** : Long bold  
 Presence of Apiculolous pigmentation  
 Purple Basal leaf sheath color



## NSIC Crop Entry Applications

---

<b>Application Number:</b>	ACVR 2023 Rc-115-222
<b>Date of Filing:</b>	May 12, 2023
<b>Proposed Denomination:</b>	Milagros Harvester 201
<b>Applicant:</b>	Universal Harvester Inc.
<b>Crop:</b>	Rice

### Morphological Characters

Maturity (days)	:	<b>118-123</b>
Yield (ton/ha)	:	<b>9.7</b>
Height (cm)	:	<b>127</b>
Panicle length (cm)	:	<b>25.5</b>
No. Of grains per panicle	:	<b>165</b>
Grain length (mm)	:	<b>6.8</b>
1000 grain wt (g)	:	<b>26</b>
Milling recovery (%)	:	<b>72</b>
Amylose content (%)	:	<b>20</b>



<b>Application Number:</b>	ACVR 2023 Rc-116-223
<b>Date of Filing:</b>	May 17, 2023
<b>Proposed Denomination:</b>	Milagros Harvester 101
<b>Applicant:</b>	Universal Harvester Inc.
<b>Crop:</b>	Rice

### Morphological Characters

Maturity (days)	:	<b>115-120</b>
Yield (ton/ha)	:	<b>9.9</b>
Height (cm)	:	<b>120</b>
Panicle length (cm)	:	<b>27.5</b>
No. Of grains per panicle	:	<b>160</b>
Grain length (mm)	:	<b>6.8</b>
1000 grain wt (g)	:	<b>28</b>
Milling recovery (%)	:	<b>71</b>
Amylose content (%)	:	<b>16</b>



## NSIC Crop Entry Applications

<b>Application Number:</b>	ACVR 2023 Cc-14-224
<b>Date of Filing:</b>	May 22, 2023
<b>Proposed Denomination:</b>	Manuela 1
<b>Applicant:</b>	Jacqueline Go
<b>Crop:</b>	Cacao

### Morphological Characters:

Age (planted in 1953)	:	<b>70</b>
Height (m)	:	<b>6.5</b>
Diameter at breast height (cm)	:	<b>12.1</b>
Color of the fruits	:	<b>Red</b>
Crown ratio (m)	:	<b>2</b>
Crown shape	:	<b>Round</b>
Color of leaves	:	<b>Yellow green to green</b>
Location	:	<b>Tanauan, Batangas</b>



<b>Application Number:</b>	ACVR 2023 Cc-15-225
<b>Date of Filing:</b>	May 22, 2023
<b>Proposed Denomination:</b>	Methuselah 1
<b>Applicant:</b>	Jacqueline Go
<b>Crop:</b>	Cacao

### Morphological Characters

Age	:	<b>-</b>
Height (m)	:	<b>7</b>
Diameter at breast height (cm)	:	<b>12.3</b>
Color of the fruits	:	<b>Red</b>
Crown ratio (m)	:	<b>2.5</b>
Crown shape	:	<b>Round</b>
Color of leaves	:	<b>Yellow green to green</b>
Location	:	<b>Tanauan, Batangas</b>



<b>Application Number:</b>	ACVR 2023 Cc-16-226
<b>Date of Filing:</b>	May 22, 2023
<b>Proposed Denomination:</b>	Methuselah 2
<b>Applicant:</b>	Jacqueline Go
<b>Crop:</b>	Cacao

## Morphological Characters

Age	:	-
Height (m)	:	<b>6</b>
Diameter at breast height (cm)	:	<b>11.3</b>
Color of the fruits	:	<b>Red</b>
Crown ratio (m)	:	<b>2</b>
Crown shape	:	<b>Round</b>
Color of leaves	:	<b>Yellow green to green</b>
Location	:	<b>Tanauan, Batangas</b>



<b>Application Number:</b>	ACVR 2023 Cc-17-227
<b>Date of Filing:</b>	May 22, 2023
<b>Proposed Denomination:</b>	Methuselah 3
<b>Applicant:</b>	Jacqueline Go
<b>Crop:</b>	Cacao

## Morphological Characters

Age	:	-
Height (m)	:	<b>5.5</b>
Diameter at breast height (cm)	:	<b>10.2</b>
Color of the fruits	:	<b>Red</b>
Crown ratio (m)	:	<b>1.5</b>
Crown shape	:	<b>Round</b>
Color of leaves	:	<b>Yellow green to green</b>
Location	:	<b>Tanauan, Batangas</b>



## NSIC Crop Entry Applications

<b>Application Number:</b>	ACVR 2023 Cc-18-228
<b>Date of Filing:</b>	May 22, 2023
<b>Proposed Denomination:</b>	Methuselah 4
<b>Applicant:</b>	Jacqueline Go
<b>Crop:</b>	Cacao

### Morphological Characters

Age	:	-
Height (m)	:	<b>3</b>
Diameter at breast height (cm)	:	<b>7.8</b>
Color of the fruits	:	-
Crown ratio (m)	:	<b>1.5</b>
Crown shape	:	<b>Round</b>
Color of leaves	:	<b>Yellow green to green</b>
Location	:	<b>Tanauan, Batangas</b>



<b>Application Number:</b>	ACVR 2023 Tm-10-234
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#1
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round, uniform fruit size, red
- Has horizontal leaf attitude, 8 leaves under first inflorescence and standard leaf type
- tolerant to Fusarium Wilt, Bacterial Wilt, Tomato Black Leaf Mold, Early and Late blight disease, and Tomato Leaf Curl

<b>Application Number:</b>	ACVR 2023 Tm-11-235
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#2
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round, uniform fruit size, red and orange
- Has horizontal leaf attitude, 10 leaves under first inflorescence and standard leaf type
- -tolerant to Fusarium Wilt, Tomato Black Leaf Mold, and Tomato Leaf Curl

## NSIC Crop Entry Applications

---

<b>Application Number:</b>	ACVR 2023 Tm-12-236
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#3
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round, uniform fruit size, red and orange
- Has semi-erect leaf attitude, 7 leaves under first inflorescence and standard leaf type
- Tolerant to Fusarium Wilt, Tomato Black Leaf Mold, and Tomato Leaf Curl

<b>Application Number:</b>	ACVR 2023 Tm-13-237
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#4
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- lengthened cylindrical in shape, uniform fruit size, red to orange
- has horizontal leaf attitude, 10 leaves under first inflorescence and standard leaf type

<b>Application Number:</b>	ACVR 2023 Tm-14-238
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#5
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round, uniform fruit size, red and orange
- has horizontal leaf attitude, 10 leaves under first inflorescence and standard leaf type

<b>Application Number:</b>	ACVR 2023 Tm-15-239
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#6
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round, uniform fruit size, red
- has horizontal leaf attitude, 5 leaves under first inflorescence and standard leaf type
- tolerant to Fusarium Wilt, Tomato Black Leaf Mold, and Tomato Leaf Curl

## NSIC Crop Entry Applications

---

<b>Application Number:</b>	ACVR 2023 Tm-16-240
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#7
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round, uniform fruit size, red and orange
- has horizontal leaf attitude, 5 leaves under first inflorescence and standard leaf type

<b>Application Number:</b>	ACVR 2023 Tm-17-241
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#8
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round plum-shaped, uniform fruit size, red
- Has horizontal leaf attitude, 7 leaves under first inflorescence and standard leaf type
- Tolerant to Fusarium Wilt, Bacterial Wilt, Tomato Black Leaf Mold, Early and Late blight disease, and Tomato Leaf Curl

<b>Application Number:</b>	ACVR 2023 Tm-18-242
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#9
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

### Morphological Characters

- Round, uniform fruit size, red
- has horizontal leaf attitude, 8 leaves under first inflorescence and standard leaf type

## NSIC Crop Entry Applications

<b>Application Number:</b>	ACVR 2023 Tm-19-243
<b>Date of Filing:</b>	July 7, 2023
<b>Proposed Denomination:</b>	BPI-AFACI#10
<b>Applicant:</b>	BPI-Los Baños National Crop Research Development and Production Support Center
<b>Crop:</b>	Tomato

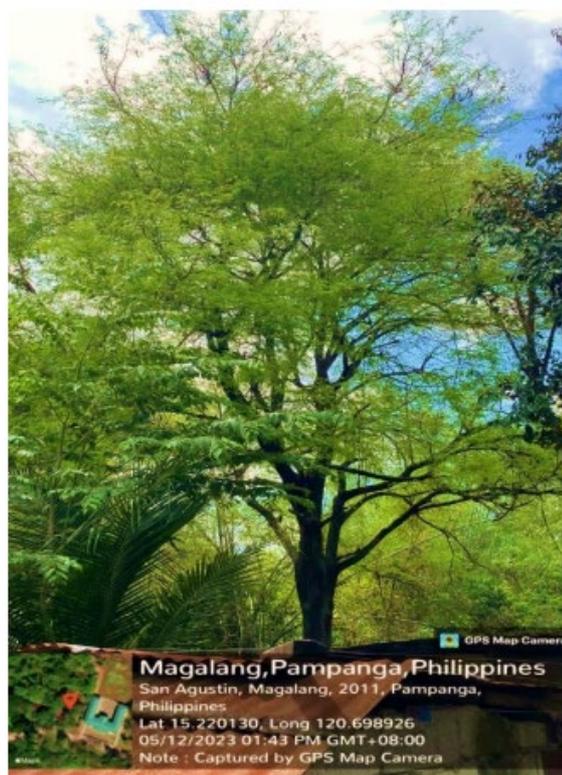
### Morphological Characters

- Round, uniform fruit size, red
- has horizontal leaf attitude, 15 leaves under first inflorescence and standard leaf type
- Tolerant to Fusarium Wilt, Bacterial Wilt, Tomato Black Leaf Mold, Early and Late blight disease, and Tomato Leaf Curl

<b>Application Number:</b>	ACVR 2023 Tr-002-218
<b>Date of Filing:</b>	July 10, 2023
<b>Proposed Denomination:</b>	FkReyes Sour 1
<b>Applicant:</b>	Pampanga State Agricultural University
<b>Crop:</b>	Tamarind

### Morphological Characters

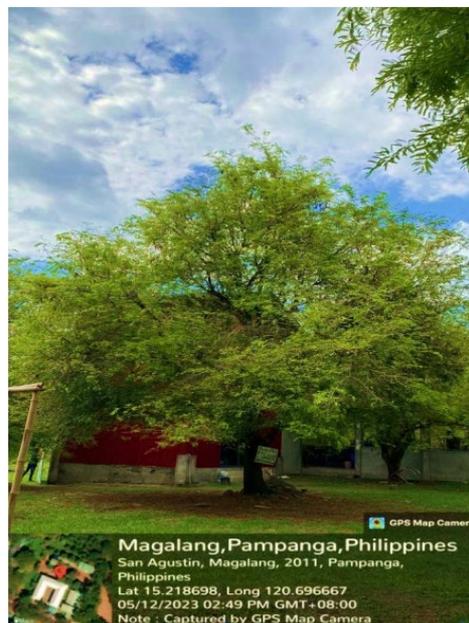
- Leaves: Light green when young and dark green when matured
- Fruit: mostly curve (C-shape) and flat
- Seed: D-shape and brown
- Shell color of the fruit is light olive brown
- Distinctness: fruit displays a variation of blunt and pointed apex.
- Location: Magalang, Pampanga



<b>Application Number:</b>	ACVR 2023 Tr-003-244
<b>Date of Filing:</b>	July 10, 2023
<b>Proposed Denomination:</b>	FkReyes Sour 2
<b>Applicant:</b>	Pampanga State Agricultural University
<b>Crop:</b>	Tamarind

## Morphological Characters

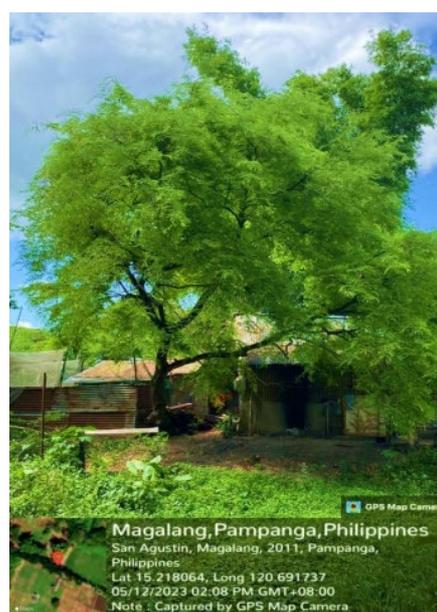
- Long inflorescence (8.99cm)
- Leaves: Light green when young and dark green when matured
- Fruit: Long (14.70 cm) heavy fruits (25g)
- Fruit shape: round with significant display of pointed apex.
- Seed: D-shape and brown
- Brown, tough, roughly fissured trunk.
- Location: Magalang, Pampanga



<b>Application Number:</b>	ACVR 2023 Tr-004-245
<b>Date of Filing:</b>	July 10, 2023
<b>Proposed Denomination:</b>	PHMSoriano Sour 3
<b>Applicant:</b>	Pampanga State Agricultural University
<b>Crop:</b>	Tamarind

## Morphological Characters

- Leaves: Light green when young and dark green when matured
- Fruit: mostly straight with 95% occurrence
- Fruit average weight: 23g – 27g with average length of 13 cm
- Fruit has pointed apex
- High titratable acidity (as Malic acid)
- Location: Magalang, Pampanga



## NSIC Crop Entry Applications

<b>Application Number:</b>	ACVR 2023 Mn-003-253
<b>Date of Filing:</b>	July 28, 2023
<b>Proposed Denomination:</b>	Nam Dok Mai Mango King
<b>Applicant:</b>	Trinidad G. Benzon
<b>Crop:</b>	Mango

### Morphological Characters

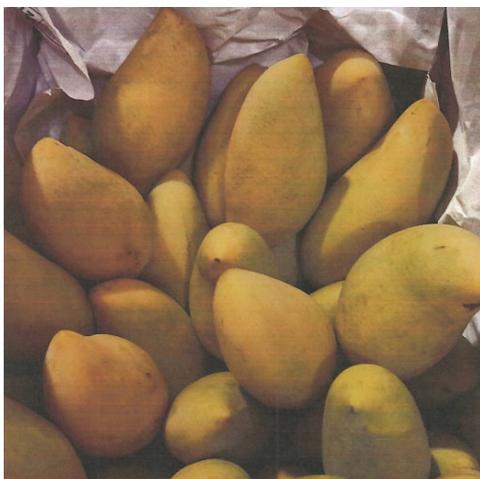
- A variety originated from Thailand and 2000 Nam Dok Mai Seedlings were purchased from BPI-Guimaras in the year 2005.
- Fruit weighs 300g to 600g per fruit
- Yellow with green spots when the fruit is ripe.
- Fruit is fleshy, less fibers and very sweet
- Seed is thin, slim, and elongated



<b>Application Number:</b>	ACVR 2023 Mn-004-254
<b>Date of Filing:</b>	July 28, 2023
<b>Proposed Denomination:</b>	Guimaras Mango King
<b>Applicant:</b>	Trinidad G. Benzon
<b>Crop:</b>	Mango

### Morphological Characters

- Fruit is green and turns golden yellow (to orange) when ripe
- Smooth skin and sweet fragrance
- Fruit shape is ellipsoid with a rounded crown and oblong at the end.
- In terms of fruit texture and taste, it has right blend of crunchiness, sweetness and sourness



<b>Application Number:</b>	ACVR 2023 Or-017-255
<b>Date of Filing:</b>	September 12, 2023
<b>Proposed Denomination:</b>	Gold Mine
<b>Applicant:</b>	DOST-Philippine Nuclear Research Institute
<b>Crop:</b>	Dilliensis ...

## Morphological Characters

- Bushy shrub at 130 cm tall with branching habit spreading to 180 cm.
- The stem is terete and glabrous measuring 2.07cm in diameter
- Leaves: Elliptical in shape and has cuneate base, caudate tip and repand margins lined with soft prickle at each indentation.
- Leaf size: 14.3cm x 5.8cm and a petiole of 2.2 cm in length.
- Venation is simple craspedodromous.
- Top Leaf color: olive green (RHS 137A) to moderate yellowish green (RHS 137C) with moderate yellowish green veins (RHS 146C).
- Bottom Leaf color: moderate yellowish green (RHS 146B) with lighter moderate yellowish green veins (RHS 146D)
- Flowers: 6.3-8 cm in diameter with 4-6 petals (2.7-3.9 cm x 1.7-2.6 cm) and 6-7 sepals (1.4-2.0 cm x 0.9-1.9 cm)
- Upper surface of the flower is brilliant greenish yellow (RHS 5B) becoming light greenish yellow (RHS 8B) at the edges.

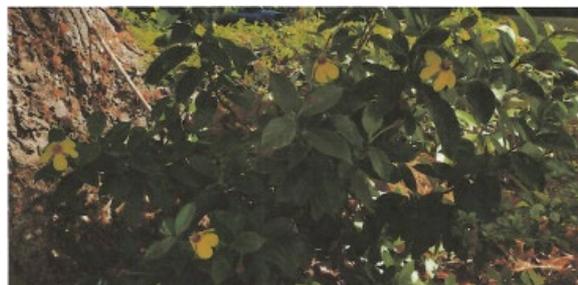


Figure 1. *Dillenia sibuyanensis* 'Gold Mine' plant in bloom



Figure 2. Close up of a flower of *Dillenia sibuyanensis* 'Gold Mine'



Figure 3. Close up of an open ripe fruit of *Dillenia sibuyanensis* 'Gold Mine'

- The stamens at the center of the flower is moderate red (RHS 182A) and short-lived at about 8 hours only (from 5 AM to as late as 1 PM).
- It was selected from mutant plants obtained by gamma irradiation of shoot tip cuttings of *Dillenia sibuyanensis*.
- Open ripe fruits have an average diameter of 3.12 cm and divided into 8 segments, with each segment containing zero to two brown seeds covered by yellow orange aril.

## NSIC Crop Entry Applications

<b>Application Number:</b>	ACVR 2023 Cn-054-258
<b>Date of Filing:</b>	September 29, 2023
<b>Proposed Denomination:</b>	CVRC 22-14 WF
<b>Applicant:</b>	Cagayan Valley Research Center
<b>Crop:</b>	Corn

### Morphological Characters

Maturity (DAP)	:	<b>100-105</b>
Days to Tasseling (DAP)	:	<b>52</b>
Days to Silking (DAP)	:	<b>54</b>
Plant Height (cm)	:	<b>190</b>
Ear Height (cm)	:	<b>85</b>
Ear Length (cm)	:	<b>12.73</b>
Ear Diameter (cm)	:	<b>4.05</b>
Shellig recovery	:	<b>78.34%</b>
Distinct Traits	:	<b>Early maturing variety with crystal white grain, good ear fill characteristics and good husk cover</b>

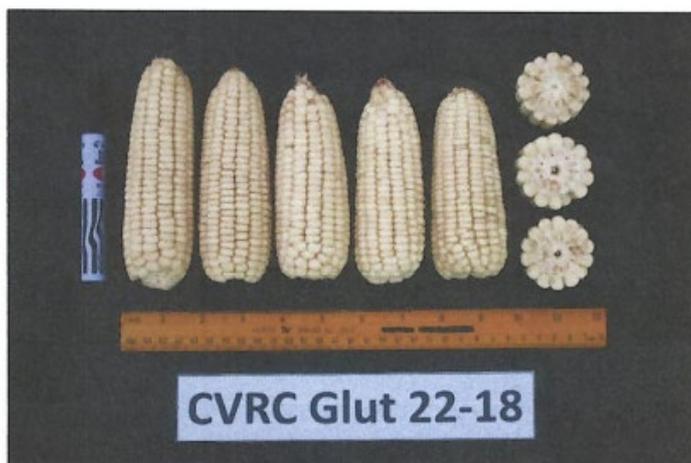


<b>Application Number:</b>	ACVR 2023 Cn-055-259
<b>Date of Filing:</b>	September 29, 2023
<b>Proposed Denomination:</b>	CVRC Glut 22-18
<b>Applicant:</b>	Cagayan Valley Research Center
<b>Crop:</b>	Corn

### Morphological Characters

Maturity (DAP)	:	<b>100-105</b>
Days to Tasseling (DAP)	:	<b>52</b>
Days to Silking (DAP)	:	<b>54</b>
Plant Height (cm)	:	<b>189.7</b>
Ear Height (cm)	:	<b>96.9</b>
Ear Length (cm)	:	<b>13.50</b>
Ear Diameter (cm)	:	<b>4.03</b>
Shellig recovery	:	<b>77.47%</b>

Distinct Traits	: <b>Early maturing variet, sweet and soft pericarp, long ears with good ear fill characteristics and good husk cover</b>
-----------------	---------------------------------------------------------------------------------------------------------------------------



<b>Application Number:</b>	ACVR 2023 Cn-056-260
<b>Date of Filing:</b>	October 3, 2023
<b>Proposed Denomination:</b>	Misvval
<b>Applicant:</b>	Ma. Carmen Primitiva B. Malaga / Iloilo ROS
<b>Crop:</b>	Corn

## Morphological Characters

Plant Data	Cycle 1	Cycle 2
Plant Height (cm)	: <b>150-200</b>	<b>180-239</b>
Number of Days to Harvest	: <b>102</b>	<b>99-102</b>
Kernel Color	: <b>White flesh sometime maroon and orange upon emergence</b>	<b>White flesh sometime maroon and orange upon emergence</b>
Yield data (kg/ha)	: <b>1600-3100</b>	<b>3400-3900</b>



<b>Application Number:</b>	ACVR 2023 Cp-057-261
<b>Date of Filing:</b>	October 9, 2023
<b>Proposed Denomination:</b>	Viridian Star
<b>Applicant:</b>	Chia Tai (Philippines) Incorporated
<b>Crop:</b>	Yard Long Bean

### Morphological Characters

Type	OPV
Morphological Data	- Vigorous plant with field disease tolerance, high yield and long pod (60-70cm). - Black seed color



<b>Application Number:</b>	ACVR 2023 Cp-058-262
<b>Date of Filing:</b>	October 9, 2023
<b>Proposed Denomination:</b>	Green Mamba
<b>Applicant:</b>	Chia Tai (Philippines) Incorporated
<b>Crop:</b>	Yard Long Bean

### Morphological Characters

Applied Domain	National
Type	OPV
Morphological Data	-Vigorous plant with field disease tolerance, high yield and long pod (60-70cm). - brown-red with white head seed color

