

## Yield and grain quality

Nakroma was one of the 14 high yielding varieties tested against the local varieties in replicated trials conducted by the MAF-SoL program.

Based on the trials conducted in 2005-2012, results showed that Nakroma grew successfully in more than 300 locations. The average yield for Nakroma was 3.6 t/ha compared to 2.9 t/ha of other varieties. Nakroma gave an average yield advantage of 26.4% above the other rice varieties tested.

Name	Nakroma	Local
Yield (t/ha) (mean 2005-2012)	3.6	2.9
Yield advantage over local varieties (%)	26.4	-



## Disease, insect and pest reaction

Nakroma shows resistance to diseases and other pests found in Timor-Leste. It also matures at a similar rate to other high yielding varieties currently cultivated in Timor-Leste thus reducing its susceptibility to rat damage.



*Interested in getting seeds?*

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RICE VARIETY

# NAKROMA



**NAKROMA has:**

- high yields
- a 26.4% yield advantage of over local varieties
- a good taste
- good milling qualities
- large fluffy grains

# NAKROMA - INCREASING RICE PRODUCTION IN TIMOR-LESTE

## Variety information

<b>Release name</b>	Nakroma
<b>Year released</b>	2007
<b>Evaluation name</b>	PSBRC54
<b>Botanical name</b>	<i>Oryzae sativa</i> L.
<b>Suited environment</b>	Irrigated rice areas
<b>Breeding number</b>	IR60819-34-2-1
<b>Parents</b>	IR72/IR48525-100-1-2
<b>Breeder</b>	International Rice Research Institute



### Background

Nakroma is an irrigated rice variety bred at the International Rice Research Institute (IRRI). It was released in the Philippines by the Philippine Seed Board as PSBRC54 in 1997.

Based on the replicated trials conducted in 2000-2004 by Seeds of Life and the Ministry of Agriculture & Fisheries, results showed that the rice variety PSBRC54 (Nakroma) showed good potential and was suited to the irrigated lowlands. It was also recognised as being a tasty addition to their current selection of rice varieties.

## Description

The following general characteristics of PSBRC54 are based on the national testing program of the Philippines.

Yield (t/ha)	
Dry season	4.4-4.9
Wet season	4.6-5.0
Maturity (no. days after sowing)	
Dry season	113
Wet season	113
Plant height (cm)	
Dry season	86
Wet season	96
Reactions to:	
Blast	Resistant
Bacterial blight	Intermediate
Sheath blight	Intermediate
Tungro	Resistant
Stemborer (whiteheads)	Intermediate
Grain quality	
Milling recovery (%)	69.1
Head rice recovery (%)	43.1
Protein (%)	7.5

## Impacts

### Economic benefits

This variety gives a 20% yield advantage over other varieties. It is a good cooking variety with good eating qualities, ensuring good adoption.



### Social benefits

Cultivation of Nakroma provides one extra variety to diversify the selection. It is high-yielding and has a good taste.

### Environmental benefits

Nakroma originated from the IRRI breeding program using conventional breeding techniques. It is not a genetically modified organism (GMO). Nakroma will increase the diversity of the current genetic pool in Timor-Leste.

