



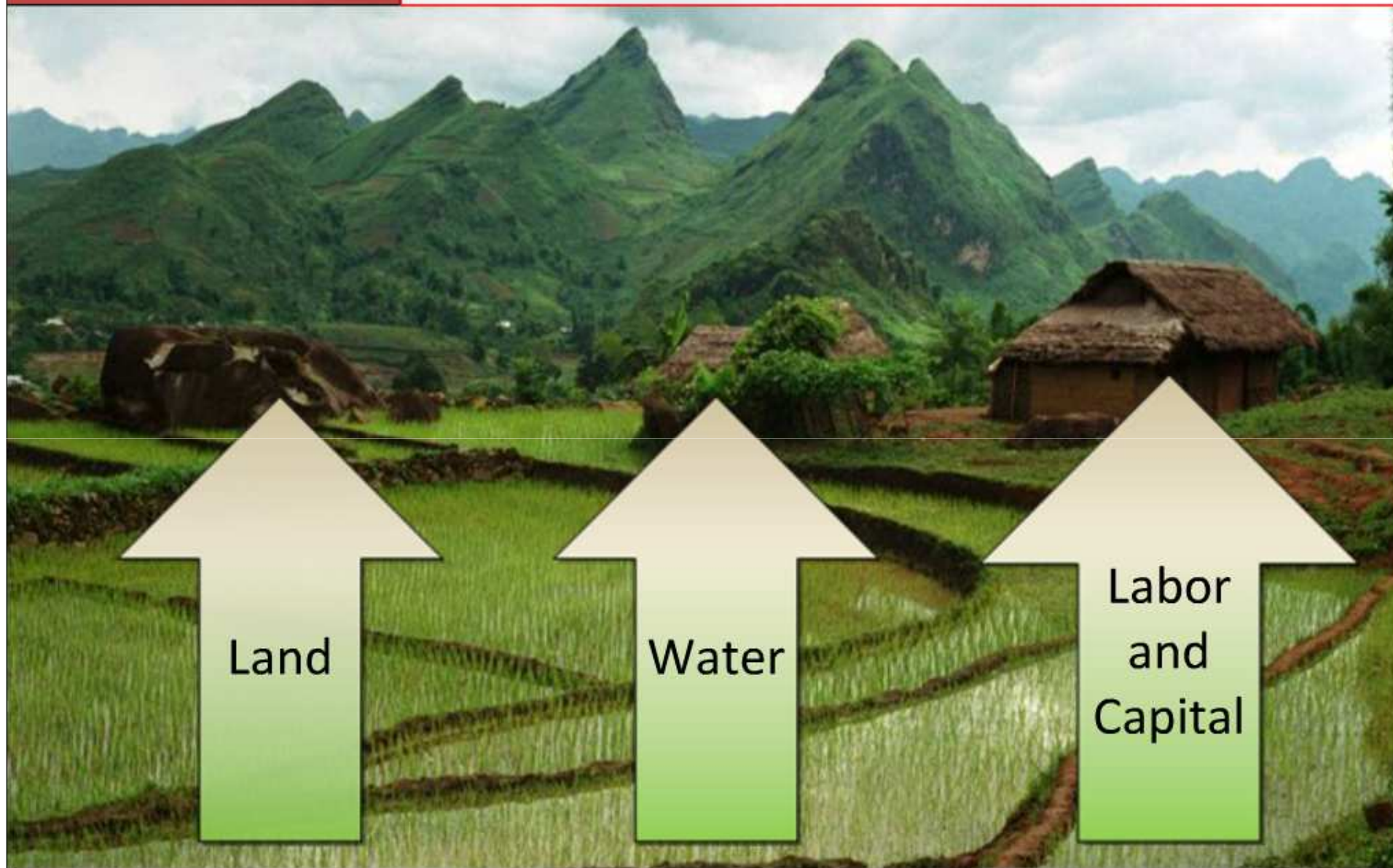
# System of **Rice Intensification** (SRI)

**Improving Rice Productivity and  
Achieving Water Savings**



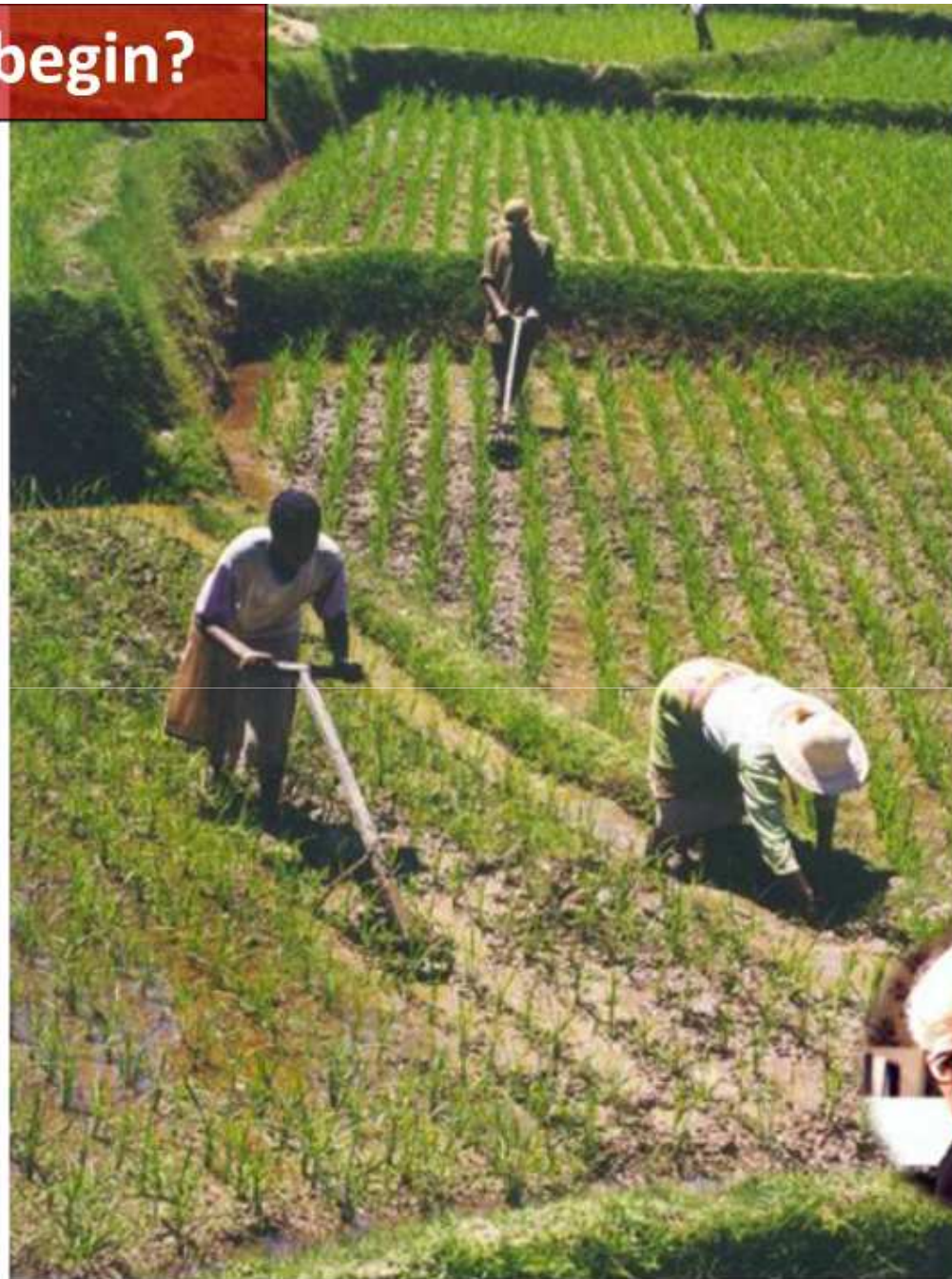
## Introduction

## Produce more from less



Productivity

## How did SRI begin?



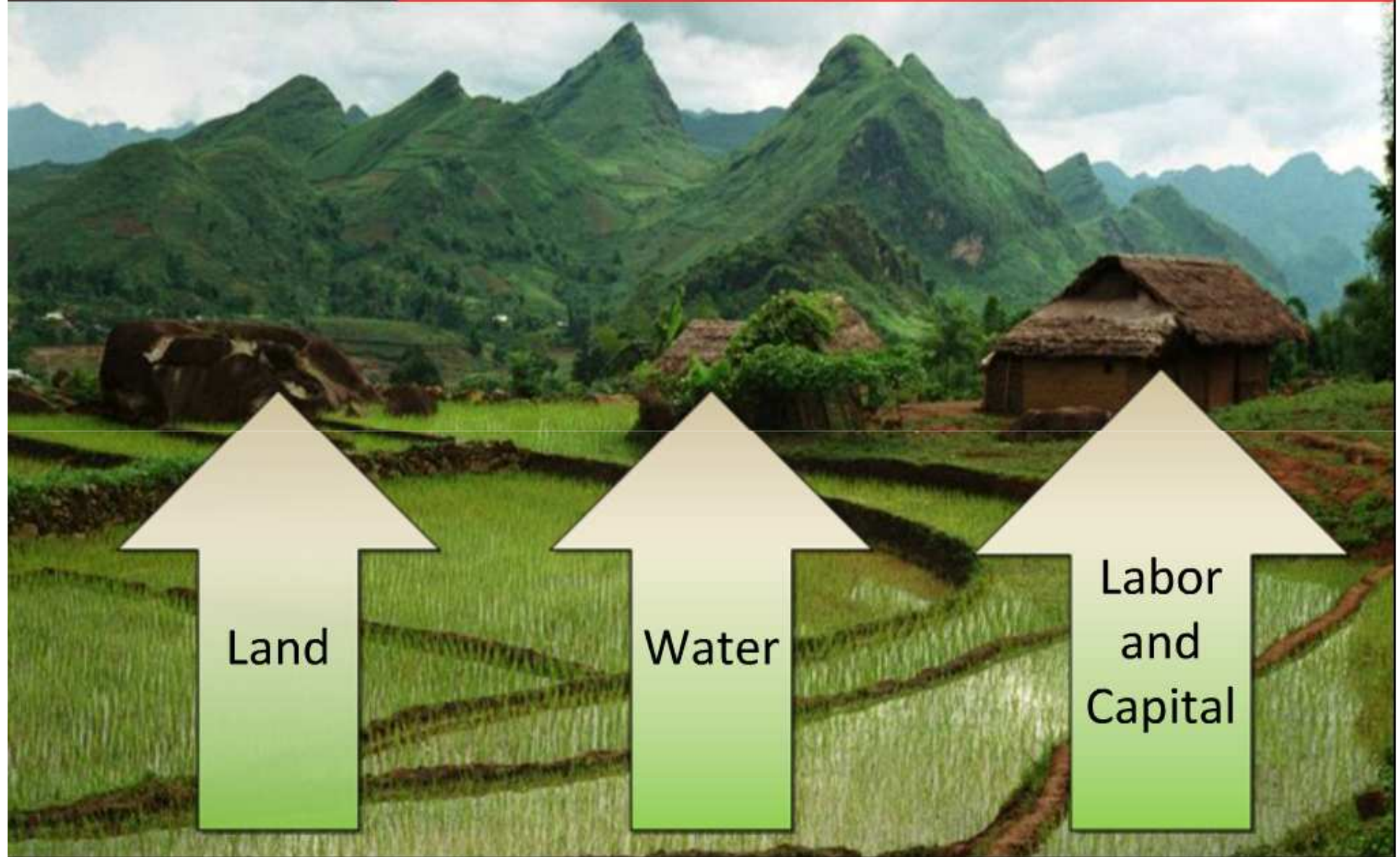
**Henri  
de Laulanie**



**Madagascar**

## Introduction

## Produce more from less



Productivity

## Six Key Elements

## What is SRI?



## 2. Single seedling

## Six Key Elements

## What is SRI?



## 2. Single seedling

## Six Key Elements

## What is SRI?



## 2. Single seedling



**5. Rotary weeding**





**6. Increasing use of organic fertilizers**

## Six Key Elements

## What is SRI?

**Norman Uphoff**



## Six Key Elements

## What is SRI?



**Vietnam**



**China**



**Indonesia**



**Brazil**



**Iran**



**Mali**



**Cuba**



**India**



**Burkina Faso**



**Cambodia**



**Gambia**

## Benefits of SRI

### 1. Higher yields and rice quality



**Benefits of SRI**

## **1. Higher yields and rice quality**



**More effective root systems**

## Benefits of SRI

# 1. Higher yields and rice quality



**Stronger stalks, more tillers**

## Benefits of SRI

### 1. Higher yields and rice quality

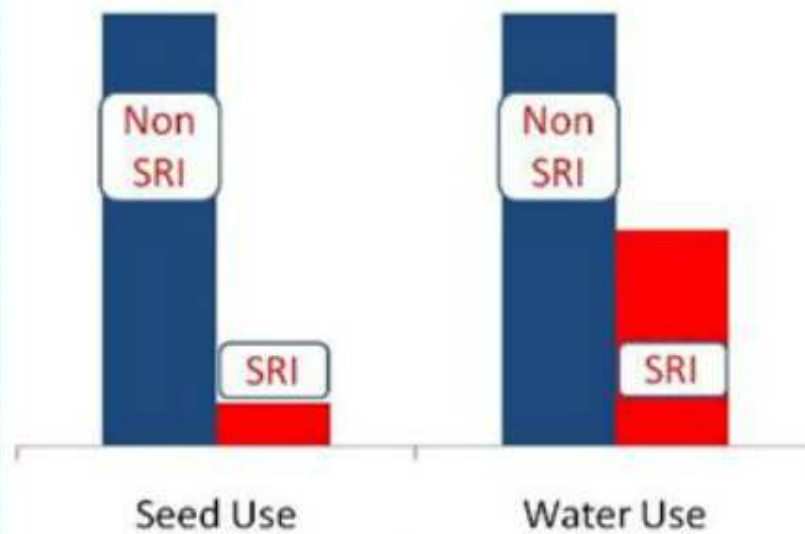


India



## Benefits of SRI

### 1. Higher yields and rice quality



India

## Benefits of SRI

# 1. Higher yields and rice quality



**China**

## Benefits of SRI

# 1. Higher yields and rice quality



**Mindanao, the Philippines**

## Benefits of SRI

### 1. Higher yields and rice quality



Indonesia



## Benefits of SRI

## 2. Reduction in water requirements



**Higher urban water demand**

## Benefits of SRI

## 2. Reduction in water requirements



**Water reduced by 25-50%**

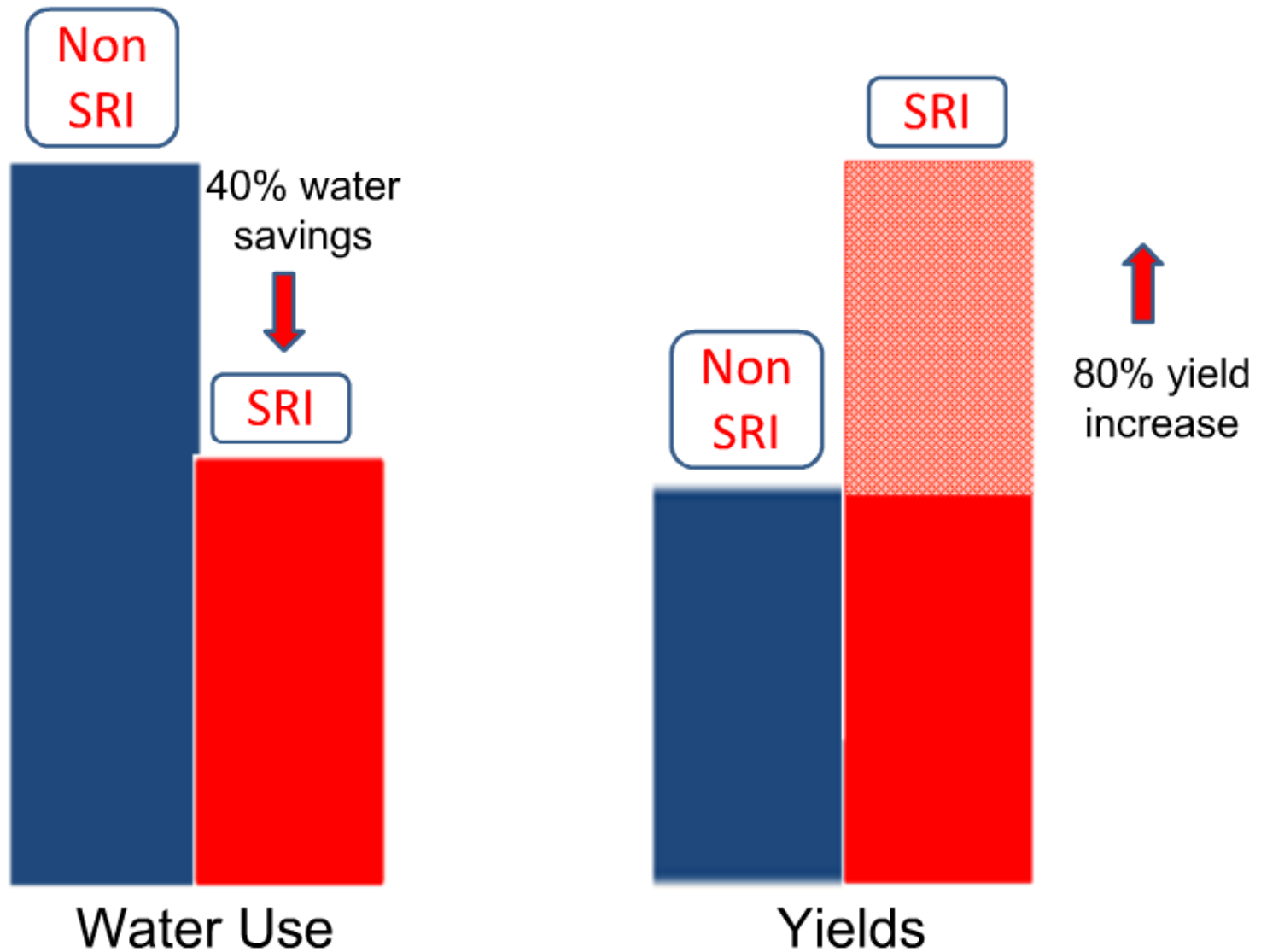
## Benefits of SRI

## 2. Reduction in water requirements



Indonesia





Indonesia



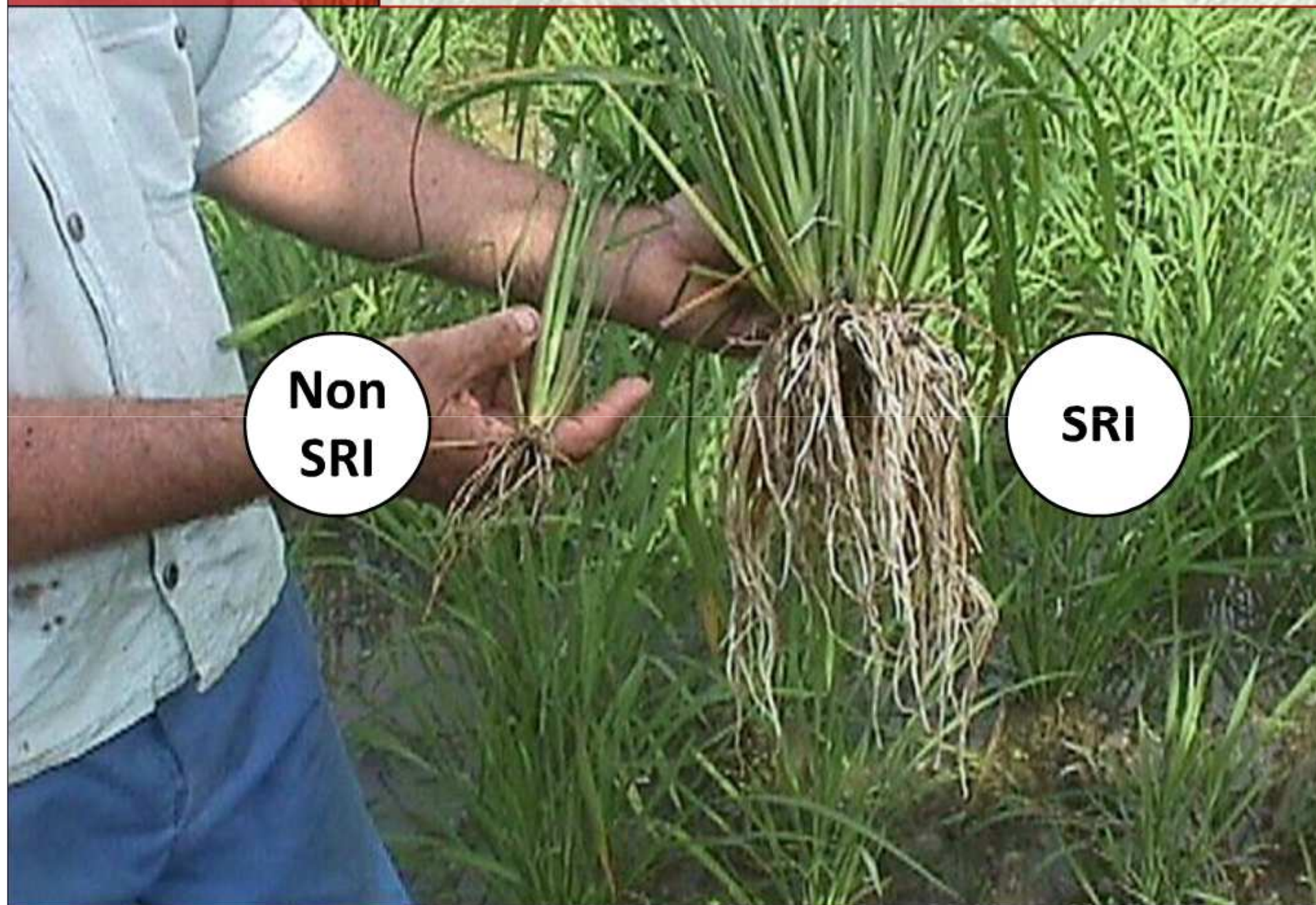
## Benefits of SRI

## 2. Reduction in water requirements



## Benefits of SRI

## 2. Reduction in water requirements

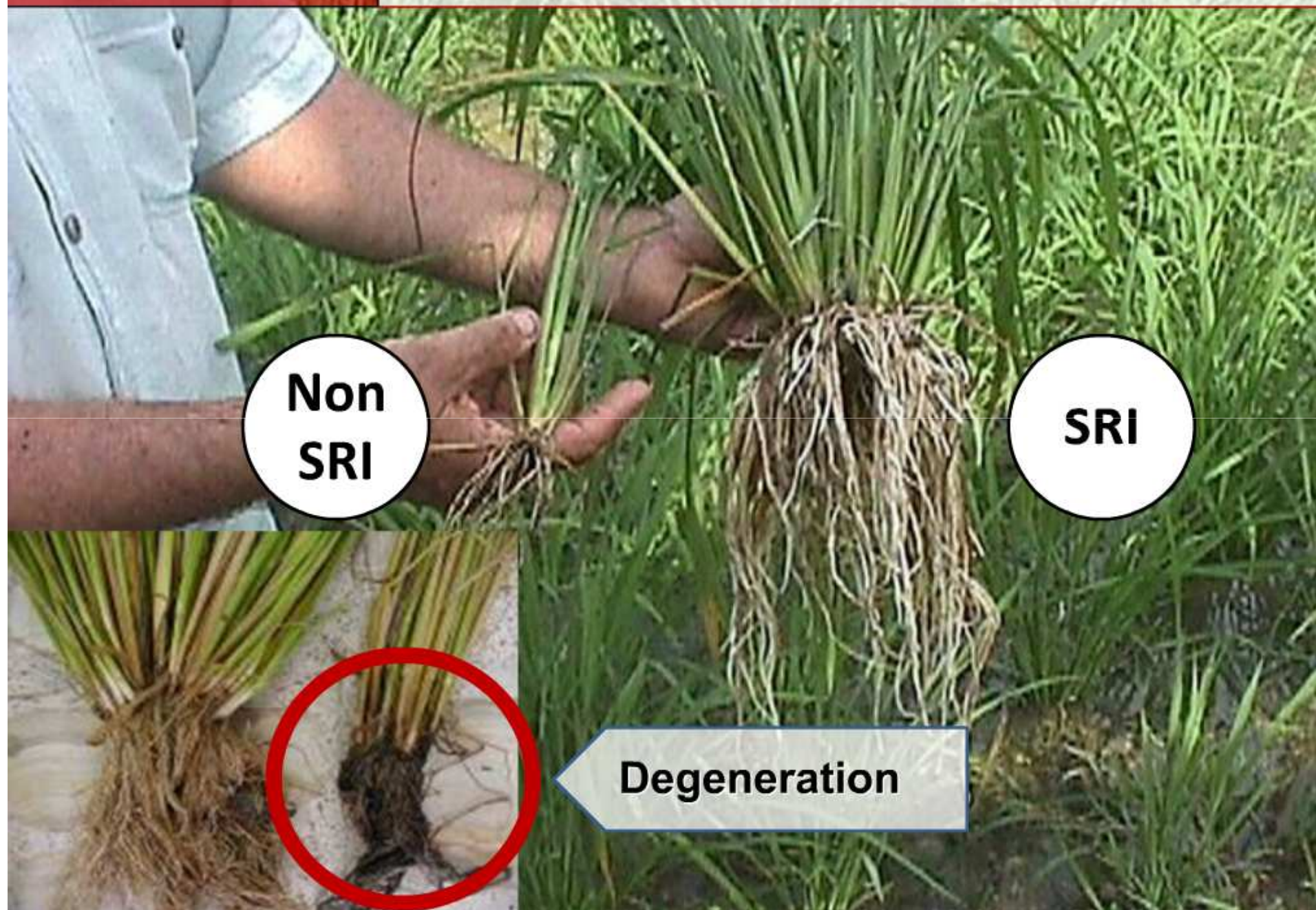


**Non  
SRI**

**SRI**

## Benefits of SRI

## 2. Reduction in water requirements



**Non  
SRI**

**SRI**

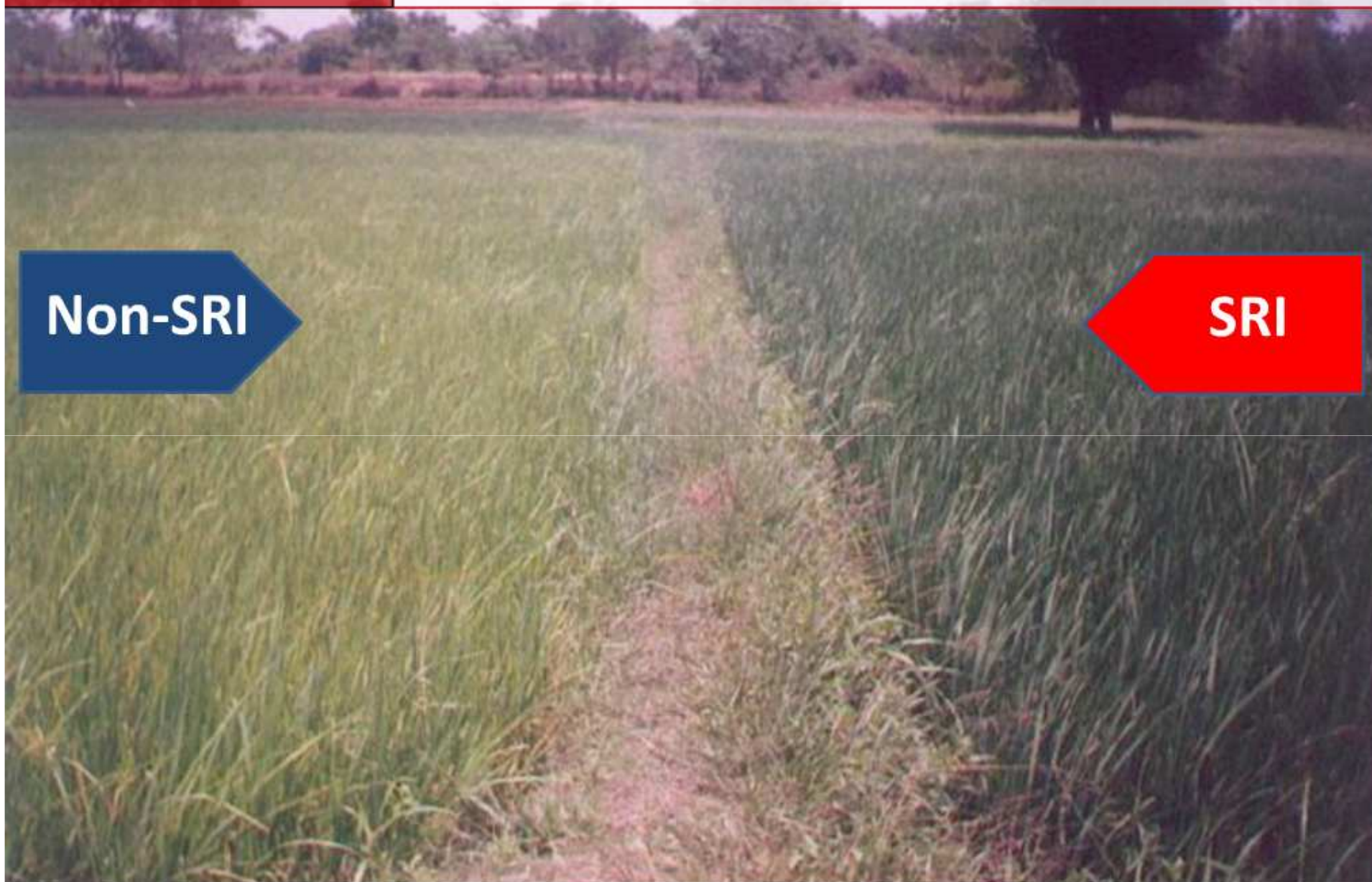
**Degeneration**



**Stronger stalks and longer root systems**

## Benefits of SRI

## 2. Reduction in water requirements



Non-SRI

SRI

After 3 weeks of drought



**SRI**

**Non-SRI**

**After a typhoon**



## Benefits of SRI

### 3. Reduction in production costs



## Benefits of SRI

### 3. Reduction in production costs



**Reduced seed requirements by 80-90%**



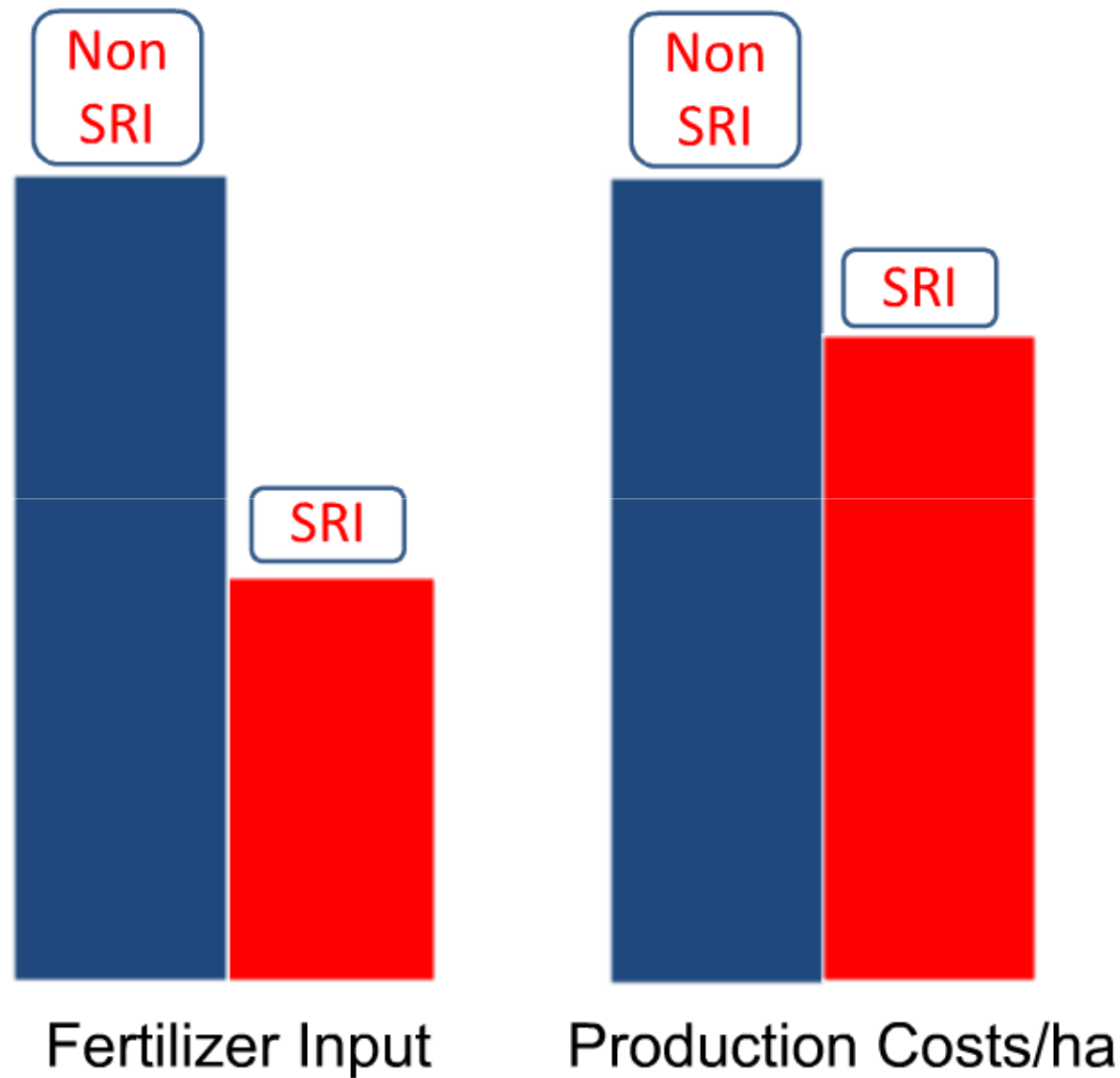
**Nursery management easier, faster and less labor intensive**

## Benefits of SRI

## 3. Reduction in production costs



Indonesia



Indonesia





## Benefits of SRI

## 4. Environment friendly





**Benefits of SRI**

## **4. Environment friendly**



# Constraints

## 1. Psychological



# Constraints

## 1. Psychological



## Constraints

### 1. Psychological



## Constraints

# 1. Psychological



# Constraints



## Constraints

## 2. Technical



## Constraints

## 2. Technical





## Constraints

## 2. Technical



# Constraints

## 3. Labor Input



**Transplanting**



**Weeding**



**On-farm water management**



**Organic Fertilizers**

## Constraints

## 3. Labor Input



## Constraints

## 3. Labor Input



# Going Forward



# Going Forward



# Going Forward



## Going Forward



**Producing more from less is not a myth**



**Going Forward**



**SRI - a new window of opportunity**

# Going Forward

