

# Variety

CR 210 (Sarunima)\*

IR717002- 247-1-1- 2/IR77080-B34-1-1

## Product Profile

This is an aerobic variety, developed by NRRI Cuttack, recommended for water stress area. It has an average yield of 4.75 t/ha, released in the year 2020. Moderately resistant to leaf blast, neck blast, brown spot and sheath rot, stem borer (both dead heart and white ear heads), leaf folder and green leaf hopper. It has long slender grain. Recommended for favourable upland in Odisha.

### Priority Market Segment - TEMS-I

| Planting Method |                 | Ecosystem         |                 |                 |
|-----------------|-----------------|-------------------|-----------------|-----------------|
| PTR             | DSR             | Irrigated Lowland | Rainfed Lowland | Upland          |
| Recommended     | Not Recommended | Recommended       | Not Recommended | Not Recommended |

### Positioning

| Position  | Irrigated Lowland | Rainfed Lowland | Upland |
|-----------|-------------------|-----------------|--------|
| Replace   | CR 201            | None            | None   |
| Companion | CR 205            | None            | None   |

### Key Strengths

- Mid early duration
- Performs well in water-limiting areas.
- High HRR
- Tolerant to major diseases and pests

### Considerations

- Average yield

### Relative Variety Performance - Grain Yield and Agronomic Traits

| Variety | Grain yield |       | Maturity (days) | Plant height (cm) | Lodging  | 1000 grain weight (g) | HRR % | Amylose content % |
|---------|-------------|-------|-----------------|-------------------|----------|-----------------------|-------|-------------------|
|         | (Kg/ha)     | % Adv |                 |                   |          |                       |       |                   |
| CR 210  | 4750        | -     | 110-115         | 100-105           | Tolerant | 24                    | 64    | 22                |
| CR 201  | 4000        |       | 115-120         | 95-100            | Tolerant | 24                    | 64    | 22                |

### Relative Variety Performance - Biotic and Abiotic Stress

| Variety | Neck blast | Brown spot | Sheath blight | Leaf folder | Gall midge | Drought  |
|---------|------------|------------|---------------|-------------|------------|----------|
| CR 210  | Tolerant   | Tolerant   | Tolerant      | Tolerant    | Tolerant   | Tolerant |
| CR 201  | Tolerant   | Tolerant   | Tolerant      | Tolerant    | Tolerant   | Tolerant |

**Producibility:** Variety: CR 210:= 1900Kgs. / acre

**Recommendation:** Suitable for water limiting areas (favourable upland) of Odisha.



\*Parental line (s) from IRRI germplasm