

NEW VARIETIES RECOMMENDED FOR RELEASE

Two Hybrids viz., 1 each in sunflower and castor and three varieties, one variety each in grain sorghum, black turmeric and turmeric have been released for the farming community and other stakeholders during 2024-25.

No.	Crop	Variety	Zone Recommended
1	Grain Sorghum	CNGS-1	6
2	Sunflower	KBSH-88	5 and 6
3	Castor	BCH-162	5
4	Black Turmeric	CHNBT-1	6
5	Turmeric	IISR Pratibha	6

- **Grain Sorghum CNGS-1:** CNGS-1 is a medium duration (100-105 Days) variety that yields 39 to 42 q/ha of grain and 30 to 33 tons/ha of stover yield. It possesses medium height and it stays green during harvesting. It is accepted for release in the zone-6 of Karnataka.
- **Sunflower hybrid KBSH-88:** KBSH-88 is a short-duration hybrid (84-86 days). It is downy mildew resistant hybrid that gives higher seed yield (22-24 q/ha) and oil yield (9.5-10 q/ha). It is recommended for zones 5 and 6.
- **Castor hybrid BCH-162:** A high-yielding, medium-duration hybrid suitable for rainfed conditions, with a seed yield of 15–20 q/ha and 47–48% oil content. It has a green stem, dense spines on capsules, and a double bloom (waxy coating) on the stem and lower leaves. The hybrid is non-shattering, with the primary spike maturing in 95–100 days. More number of effective spikes and less male flowers on all order spikes contributes to superior productivity.
- **Black Turmeric Variety CHNBT-1:** Variety exhibits medium height with large leaves, pods and wider spread with better physical characteristics (curing: >20%) and higher fresh rhizome yield (8-10 t/ha). Bold rhizomes with rich blue flesh colour. This variety matures in about 255 to 265 days. It is accepted for release in the zone-6 of Karnataka.
- **Turmeric Variety IISR Pratibha:** This variety matures in about 240 to 245 days. It gives high fresh rhizome yield (34-36 t/ha) with good quality (curing: >20%, high curcumin content: >5%). Rhizomes are bold with rich reddish yellow flesh. It is endorsed for Zone-6 of Karnataka.