



Common beans

Nyota

High yielding, iron and zinc biofortified and drought tolerant bean variety.



► **Country of origin/owner:** Kenya

► **Product/market segment:**

Home consumption & industrial processing

► **Variety type:**

OPV



Special features: (value + description)

- Yield potential: 1.4-2 tons/ha (6-10 bags per acre)
- Number of days to maturity: 70-90 days depending altitude, rainfall and temperature
- Drought tolerant
- Zinc content: 33 PPM
- Iron content: 90 PPM
- The grain is good for industrial processing eg makes 100% bean flour

- *Field Nyota picture coming from KALRO brochure.*



Technical features

Cultural practices

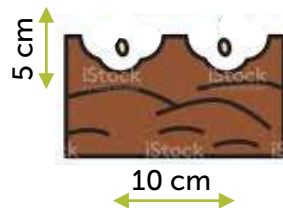
Before sowing

- 1 Prepare soil to fine tilth



Sowing

- 2 Sow your field at the onset of rains, using 20-25 kg/acre of seeds
Follow the spacing according to the picture and 50 cm row to row



- 3 Apply 50 kg/acre of planting fertilizer at planting time and mix the fertilizer and the soil thoroughly before covering the seed.



Crop management

- 4 Weed at least 1-2 times per season. The 1st weeding should be done two weeks after emergence and the 2nd one must be done before flowering.



Harvest

- 5 Harvest when it's dry and spread beans out in the sun to dry on a plastic sheet or gunny bag further before threshing (if not, you'll damage the seeds). After threshing, winnow the grains before storage.



Storage

- 6 Treat the seeds before storage:
 - Use of non-chemical, hermetic storage technologies
 - Dusting with storage pesticides such as Actellic dust
 - Grains can be further treated with sunflower or corn/maize oil at 200ml per bag
- 7 Store the beans in sacks or other containers, and stored them in a clean, dry and ventilated place.



Recommendations coming from KALRO's brochure.