

Urd is one of the legume crops of the tropics which used for grains. The plant parts that are used for food are nutritious, providing proteins, vitamins and minerals. Another important feature of urd is, it fixes atmospheric nitrogen and enriches the soil.

1. Recommended Varieties

- Kiran
- Raikivi

2. Seed Rate and Expected Yield (per hectare)

Variety	Seed rate/ha	Dry seed yield/ha
Kiran	17kg	1.0 to 1.8 tons
Raikivi	17kg	1.0 to 1.5 tons

3. Soil Requirements

Wide range of soil types are



suitable but good drainage is necessary.

4. Planting Time

Urd can be planted from February to October in well drained soil. Planting during wetter months (Nov-Jan) will result in heavy vegetation, late flowering and reduced yields.

5. Method of Planting

Direct sowing in rows. Place one or two seeds 45cm between rows and 8 cm between plants within rows and cover the seeds lightly with soil.

6. Fertilizer Requirement

- A mixture of Blend A & B at 200kg/ha of each blend applied as basal. (Lower rates on more fertile soil).
 - Foliar application of BioBrew growth at the rate of 400ml/20L of water at 6 leaf stage.
 - Apply BioBrew harvest at the rate of 400ml/20L of water from flowering onwards every fortnight.
- NB: Soil test is recommended to determine*

appropriate fertilizer requirement in different locations.

7. Weed Control

Hoeing or mechanical inter row cultivation can be done as and when required.

8. Pest Control

For control of Aphids, Maruca, Leaf miners and other pests - apply Lannate at 25ml/15L of water or spray Phyrethroids at 40ml/15L (Sold as Attack). Spray when eggs of Maruca are noticed on flower buds.

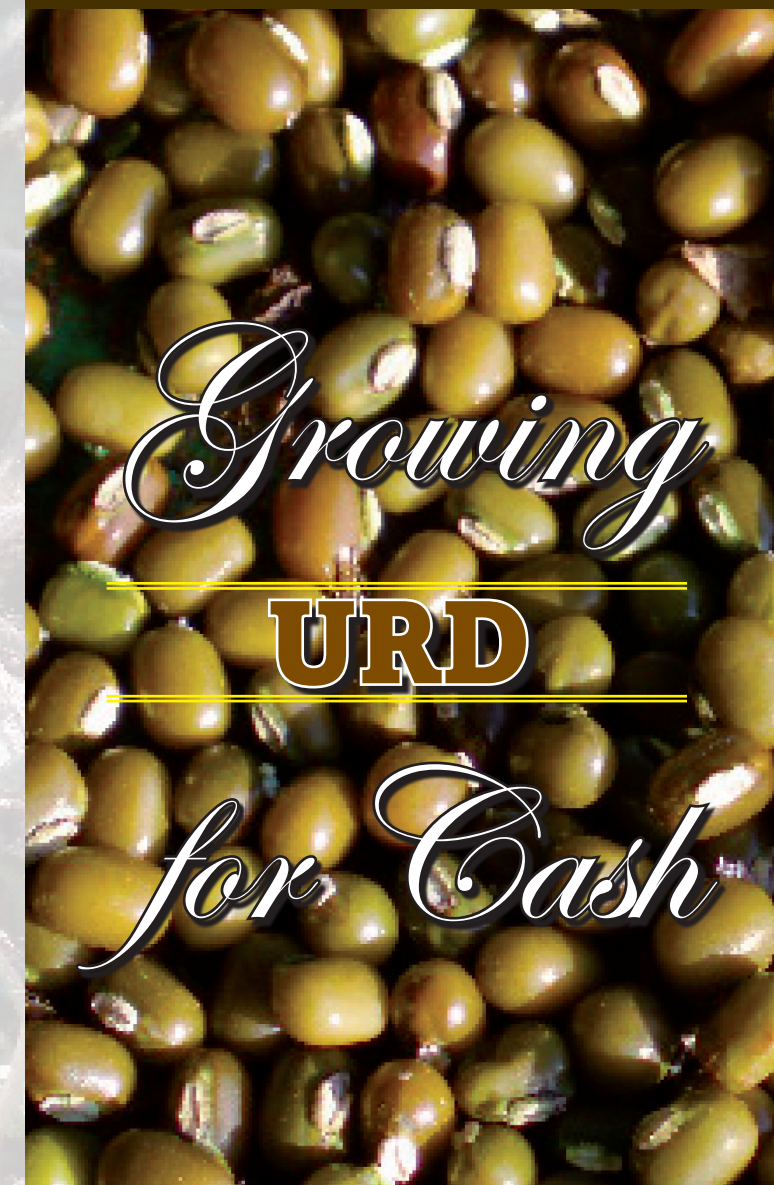
9. Disease Control

Powdery Mildew - small white powdery spots on the upper leaf surface. Affected leaves turn





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yellow and later brown. Pods are malformed and leaf defoliation occurs. Spray Benomyl at 10g/15L of water (Sold as Benlate) twice at 10-14 days interval. Practice crop rotation as this will reduce the disease infestation.

10. Maturity

Kiran – 65 to 70 days
Raikivi – 65 to 80 days

11. Harvesting and Storage

The plants with many dry pods are hand pulled, dried, threshed, winnowed and further sun dried for storage of seeds.

For long storage, seeds maybe coated with a thin layer of cooking oil (3ml/100g of seeds) to prevent weevils from attacking.



12. Gross Margin

For 1.25tonnes/ha at \$4.50/kg:

Income	-	\$5,625
Expenses	-	\$3,231
G.M	-	\$2,394



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