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https://scholar.google.com/citations?user=Fj11UPoAAAAJ&hl=en&authuser=1

KnolKhol

(Brassica oleraceae var. gongylodes) Family: Brassicaceae Origin : Mediterranean region (North Europe)

- The cultivation of knolkhol or Kohlrabi in India is not very popular except in Kashmir, W.B. and some parts of the south.
- KnolKhol is characterized by the formation of tuber which arises as thickening of the stem tissue above the cotyledons.
- This tuber or knob develops entirely above the ground. This portion is used for vegetable. Young leaves are also used.
- It is high in minerals like Ca, Mg, P, Na & S.
- It also contains protein, carbohydrates, Vitamin A & C.
- Knobs are either used as cooked or as boiled vegetable.
- Also used as salad.

Leaves are also used in preparation of soup.

CLIMATE

- It is mainly grown as a winter vegetable crop and thrives well in a relatively cool moist climatic conditions.
- **Seeds of knolkhol germinate well at 15-30°C.**
- Optimum temperature for its growth is between 15-25°C depending upon cultivars.
- *Early varieties are more prone to premature bolting.
- When grown below 15°C for longer period, these varieties produce flowering stalks directly without forming knobs.
- *****High temperature after planting can delay the bolting of plants.
- Crop grows well for the tuber production at 20-25°C though the quality is better under lower temperature.
- *****Purple varieties are more susceptible to pre-mature bolting.

Soils

- **All types of soil though it makes no high demand upon it.**
- Good condition and fertility favour growth in a uniform manner.

Planting Time

Under North eastern plains.

	Seed sowing	Transplanting time	
Early crop	August	September	
Main crop	September	October	
Late crop	October	November	
Hills	March-April	May-early June	

Himachal Pradesh

	Seed sowing	
Low Hills	July-October	
Mid Hills	July-October	
High Hills	March-July	

Planting Distance

30-40 cm x 20-25 cm (30 x 20 cm in H.P.)
Optimum yield obtained at 30 cm x 25 cm.

Seed Rate

⇒ 800-1000 g/ha (950-1000g in H.P.)

Manures and Fertilizers					
FYM (q/ha)		Ν	P_2O_5	K ₂ O	
		(Kg/ha)			
200-250		100	80	80	

 Half of N and full P and K fertilizers should be applied as basal (at transplanting) and half N one month after sowing planting.

Interculture and Weed Control

Proper moisture should be maintained during its growth. Pre-planting application of weedicide followed by hoeing & weeding in the later stage will keep the crop free of weeds. Any check in the growth will cause development of fibrous knobs.

Harvesting and Yield

- ✓ Harvest tubers before fully grown, because old tubers eventually become fibrous.
- ✓ Generally, tubers of 5-8 cm dia & bright colour along with the foliage are favoured in the market.
- ✓ Late varieties may attain 10-12 cm dia at harvesting stage.
- ✓ For its marketing, the main root is cut off & the enlarged stem along with the leaves are tied up.
- ✓ Individual tuber may weigh 200-250g
- The yield/ha may vary from 12-25 t/ha under Indian conditions.