



**Garlic
Onion
Shallot**

TOP

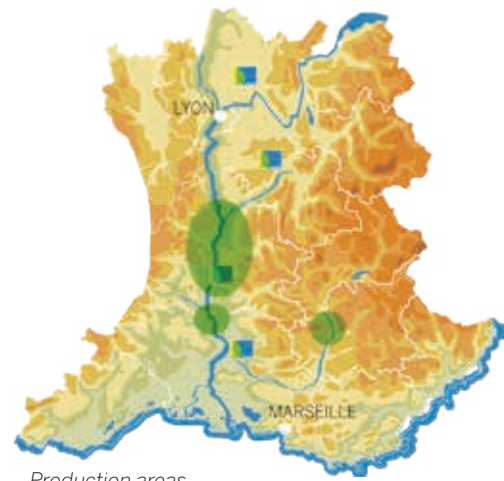
Semence

TOP Semence

A HISTORICAL BREEDER

Garlic (*Allium sativum* L.) producer, TOP Semence has been a pioneer of seed Garlic selection and production since 1963. Fourteen varieties are currently produced annually on a hundred or so hectares.

Production is aimed at the entire French market; however, a significant part is also exported to Italy, Spain, central Europe, UK...



Production areas

AN INTEGRATED TEST CENTRE

Founded in the 1980s, the Rhône Valley Test Centre (CEVR) has, from the outset, been the mainstay of the development of new varieties as well as of seed Garlic production.

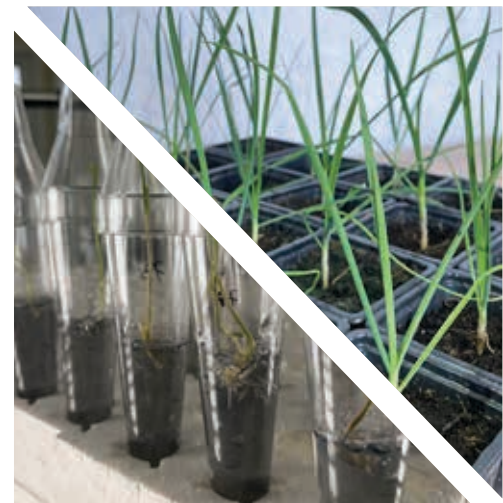
All activities are carried out manually: varietal screening, breeding nurseries, experimental trials, a posteriori controls, bulb and family selection, row planting, ratings... All of which ensure varietal purity and outstanding seed health.



PREMIUM QUALITY, OUR COMMITMENT

Quality is our prime objective and we are committed to continuous improvement throughout all our processes, from the field to the factory. The TOP Semence laboratory carries out all the analyses that guarantee compliance with health standards: ELISA tests, nematode detection tests, in vitro culture.

An *in vitro* culture protocol specifically adapted to Garlic has been put in place, thus improving plant robustness and ensuring virus-free genetic material.



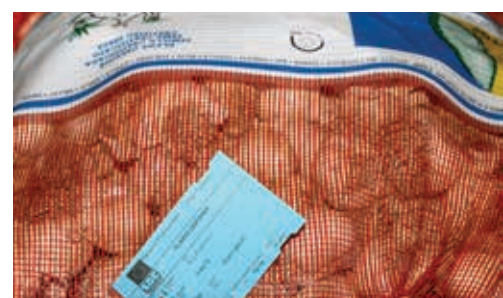
FROM FIELD TO FACTORY: LOCAL PRODUCTION

Production is carried out by historical growers principally from the Drôme. Seed Garlic production is very technical and requires a lot of expertise, as many standards are necessary to market certified seeds.

Once harvested, the seeds are sorted, dried and packed at the factory, until dispatch.

A broad range of varieties

adapted to the different market needs: ultra-early, autumn purple and white, hardneck, spring pink.



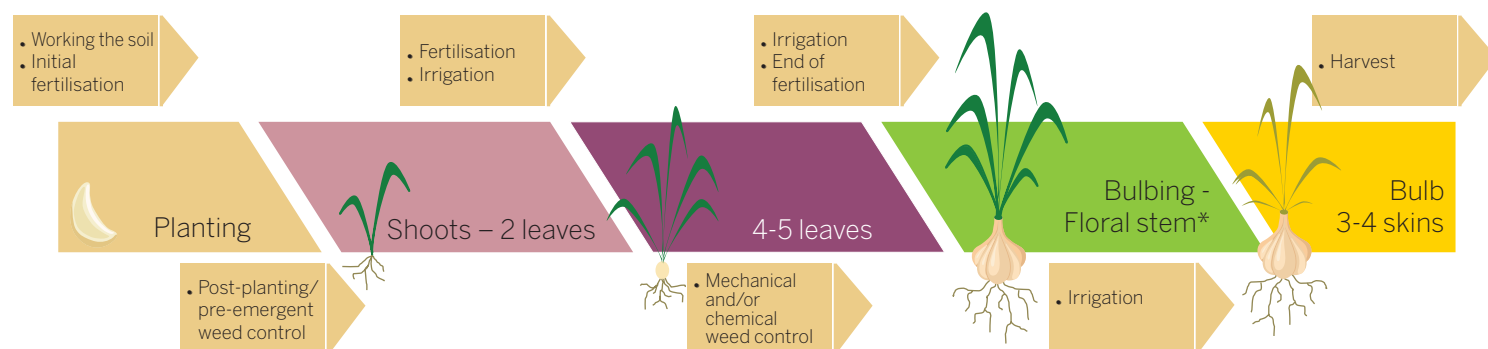
OUR TECHNICAL advice

FROM PLANTING TO HARVEST

Due to the range of varieties, the planting and harvesting period can be staggered, thereby extending the selling period of French Garlic.



Timing is crucial



- Spacing of 9-10 plants per linear metre depending on the size of the clove
- 2 – 3 applications of fertiliser depending on the soil type.
Garlic's requirements (kg/ha), to be adapted according to the richness of the soil: 120 NO₃ / 100 P₂O₅ / 200 K₂O / 120 SO₃ / 20 MgO

- The flower stalk is removed as soon as it appears in order not to hamper the bulb's development.

**for hardneck varieties*

HARVEST TIP:

if the ripening index reaches 1.8 then the Garlic is ready to be harvested

$$\text{Ripening index} = \frac{\text{Bulb weight}}{\text{Foliage weight (removed flower stalks)}}$$



A COMPLETE RANGE for professionals and amateurs alike

All our products are "untreated post-harvest"



Type	Variety	Strengths	Planting	Fresh harvest	Dry harvest
GARLIC - certified plants	Ultra-early varieties	 Aulxito <i>Exclusive</i>  Sprint <i>Exclusive</i> The earliest white garlic on the market Ultra-early-purple	09 10 11 12 01 02 03 04 05 06 07 08		
	Autumn purples	 Germidour  Paradour  Valdour <i>Exclusive</i> Colour - conformity Regularity South West purple	09 10 11 12 01 02 03 04 05 06 07 08		
	Autumn whites	 Messidrôme  Thermidrôme  Messidor  Topadrôme <i>Exclusive</i> Colour - quality Hardy - cold resistant Calibre - yield Division ratio - conservation	09 10 11 12 01 02 03 04 05 06 07 08		
	Hardneck varieties	 Vayo <i>Exclusive</i>  Sultop <i>Exclusive</i> Very pronounced colour Tarn pink garlic type	09 10 11 12 01 02 03 04 05 06 07 08		
	Spring pink garlic	 Vivalto <i>Exclusive</i>  Arno <i>Exclusive</i>  Cristo <i>Exclusive</i> The earliest of the pink garlies Yield - conservation Mid-season	09 10 11 12 01 02 03 04 05 06 07 08		
SHALLOT certified plants	Grey shallot	 Griselle Taste - early	09 10 11 12 01 02 03 04 05 06 07 08		
	Long shallot	 Jermor  Longor Productive - calibre Very long	09 10 11 12 01 02 03 04 05 06 07 08		
	Semi-long shallot	 Mikor Yield - colour	09 10 11 12 01 02 03 04 05 06 07 08		
ONIONS EU certified	Yellow onion	 Jaune Paille  Sturon  Stuttgarter Flat - good shelf-life Round - late - yield Slightly flat - early - good shelf-life - hardy	09 10 11 12 01 02 03 04 05 06 07 08		
	White onion	 White Ebenezer Early produce - hardy	09 10 11 12 01 02 03 04 05 06 07 08		
	Red onion	 Brunswick Colour - hardiness - sweetness	09 10 11 12 01 02 03 04 05 06 07 08		

 Obtention TOP Semence