



# anseme

## Field Crop Seed Production

Producing seed is our job. Producing high-quality seed is our mission.

Satisfying the demands of more than 200 breeding companies, which are our customers, is our daily work.

Constantly improving our productions is an open challenge, the attitude which we face the future with.

**ANSEME** was founded in 1952: since then, we go to the fields every day, in order to combine tradition and innovation. Our tradition is to work in an area where the climate is particularly suitable for the production of high-quality seeds, with farmers who work hard every day in order to reach the best possible result. Innovation is the introduction of improving cultivation techniques year after year. Innovation is the enhancement of specialization. Innovation is having an open mind to the optimization of every little detail.

**ANSEME** grows its seeds in several Italian regions: Lombardia, Piemonte, Umbria, Abruzzo and Puglia. Most of our production however is concentrated on the wide plains of Emilia-Romagna extremely suitable for direct sowing and mechanized farming techniques and the windy, sunny hills of the Marche, south of Emilia-Romagna, ideal for the production of hybrid onions and hybrid cabbages. This is an area known and envied by seed producers all over the world.

With slight annual variations, **ANSEME** cultivates its seeds with 3.000 growers, on a total area of around 20.000 hectares of land. Each season production consists in about 10.000 tons of hybrid and OP vegetable seeds, which the company exports to more than 50 different Countries.

Our work is divided in two sector:

- **PRODUCTION OF FIELD CROP SEEDS**
- **PRODUCTION OF VEGETABLE SEEDS**

With regard to the **FIELD CROPS SEED PRODUCTION**, the main varieties we produce are the following:

- **SUNFLOWER**
- **WINTER RAPE**
- **MUSTARD**
- **SINAPIS ALBA**
- **FODDER AND OIL RADISH**
- **FODDER BEET**



**SUNFLOWER**



**WINTER RAPE**



**SINAPIS ALBA**



**FODDER RADISH**

In our production area, in the fertile plain of the Pò river, since there are not many oil crops, we can obtain good rotations and isolations from other crops in order to protect the cultivation and avoid unwanted contamination.

We are able to produce both simultaneous flowering and unsynchronized flowering **SUNFLOWER** varieties that require different sowing times between male and female lines.

While in **RAPESEED** crops, with the simultaneous sowing of the male and female lines, in order to ensure a good nicking between the female and male's flowering stage, and to have enough pollen until the end of the female line flowering, a percentage of the male line is trimmed.

Following the impossibility of using the Reglone to dry the plants, for the rape harvest, we have implemented the swath technique that allows us to collect the seed at the right humidity without losses and with excellent germination.

While in the sunflower even not using the Reglone to dray the plants, in consideration of the high summer temperatures it is also possible to produce the later varieties.

We are equipped with modern and efficient machinery.

In our factory in Forlì for the cleaning and sizing of large quantity of seeds we have two tower lines, with all facilities in line: Delta Cimbria cleaning and sizing, densimetric table, cylinder, color separator. This gives us the possibility of wide-ranging fast selection and enables to process large quantities, ensuring more than 99% mechanical purity and preventing any mixture of different varieties of seeds. Our machine operators benefit from the professional experience, which has been handed down from one generation to the next within the company.

Finally, we can deliver the seed treated, packed, certified and ready for sale according to the request of our customers.

This seventy-year experience combines tradition with the most sophisticated technology.

We are really interested in developing a collaboration with you in the future and we would be glad to show you our facilities whenever you come to Italy.

Feel free to contact us in case you need quotations or simply further information, thanking you for your kind attention, we look forward to hearing from you soon.

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# Hybrid rapeseed production



## The parcels

In our production areas, rapeseed crops are not much widespread, therefore it is possible to make excellent rotations and isolations, which help obtain seeds with optimal varietal purity.

## The sowing

The sowing is done by air-pump sowing machines in mid-September. Both the female and the male lines are sowed at the same time, with a ratio of 18 : 6.

The distance between the lines is 45 cm.

The distance between the male and the female lines is 100 cm on both sides, in order to facilitate the trimming of 50% of the male line at the beginning of the flowering stage and its total destruction at the end of the female line's flowering, with the aim of avoiding accidental blending when harvesting.

## The crop

In order to ensure a good nicking between the female and the male lines' flowering stage, and to have enough pollen until the end of the female line flowering, 50% of the male line is trimmed depending on the difference in flowering times of the lines.

Trimming is done at the beginning of flowering by cutting the male line plants at a height of 40 cm.



Thanks to our climate conditions, with an autumn sowing, at the beginning of winter the plant is already well-developed and it can withstand the low winter temperatures, doing a good vernalization which helps the bolting-on-seed at the growing restart.



Mechanized trimming of 50% of the male line at the beginning of flowering.



Flowering difference on the male line, 50% trimmed.



Bees ensure a good fecundation of the female plants: at least 2 beehives per HA are placed in different parts of the field.



The male line is destroyed at the end of the female line flowering, in order to avoid blending with the female line when harvesting.



The harvest by axial flow machines is done at the beginning of June, after the crop has been swathed with the new swather machine.

### The seed processing

After the harvest, the seed is immediately delivered to our warehouse and, after drying, the cleaning process starts.

We have equipped our processing towers with up-to-date selection, treating and packing machinery, which allow us to offer a complete service for CE/ISTA seed certification and packing either in big bags or in ready-for-delivery doses.

Last but not least, thanks to our climate conditions and great industrial capacity, we harvest in June, so that the seed can be packed and certified in good time for the autumn sowings.



SIZING SEPARATOR



GRAVITY TABLE



COLOR SEPARATOR



AUTOMATIC PACKING

