

High yields and profitability in rapeseed production with Syngenta

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Rapeseed is a crop with proven profitability that has long secured its place in Bulgarian agriculture. However, the results for this crop depend to a large extent on two main groups of factors. The first group comprises factors that we cannot influence, namely: precipitation, temperature and other abiotic factors. The second group of factors are the conditions we create so that the crop can develop its yield potential (soil preparation, hybrid selection, plant protection programme, fertilization, etc.). To achieve optimal results, producers need to correctly assess local conditions and accurately implement the necessary agrotechnical measures to create a favourable environment for the development of the crop. The next step is the choice of a long-term sustainable technology that prevents the development of resistant weed species in the crop rotation. Not least is the choice of a suitable hybrid adapted to the specific environmental conditions. Syngenta is the company that provides producers with a technology combining a

sustainable plant protection programme and hybrids with characteristics suitable for the respective regions of the country. The comprehensive and integrated approach to rapeseed cultivation is embedded in the foundations of the company's strategy.

For years, the team of Syngenta Bulgaria has been working on the introduction of the most suitable hybrids for the conditions in the country from the patented **SAFECROSS** genetic line, ensuring higher yields and meeting market demand for hybrids with high resistance to diseases and adverse climatic conditions.

Thanks to its experience and systematic trials in various regions of the country, Syngenta offers producers the right rapeseed hybrids. In the past season, the company launched on the market the new hybrid **SY VEZUVIUS**. The hybrid met producers' expectations, performing excellently in different regions of Bulgaria. Here, the achieved results should be mentioned: **568 kg** in Mayor Uzunovo, Vidin; **530 kg** in Dropla, Dobrich and **512 kg** in Karnobat, Burgas. The hybrid **NK CARAVEL**, well known to Bulgarian farmers, continues with its traditionally good performance, with yields reaching **562 kg** in Mayor Uzunovo, Vidin and **559 kg** in Karnobat, Burgas. Syngenta's rapeseed product list also includes the early hybrid **NK TECHNIK** with a recorded yield of **483 kg** in Popovo, Targovishte. By including it in their production, farmers achieve a well-distributed harvest over time and peace of mind during yield collection. **NK OCTANS** complements the company's portfolio with its good tolerance to diseases, high potential for oil content and a yield of **492 kg** in Belitsa, Silistra and **482 kg** in Tervel, Dobrich. The yield of the hybrid **NK COLUMBUS** reached **599 kg** in Mayor Uzunovo, Vidin.

The complete technology for rapeseed cultivation offered by Syngenta has once again proven its advantages in achieving high results. The technology ensures a good start for rapeseed and excellent crop density through the application of the soil herbicide **TERIDOX** (a broad-spectrum herbicide for the control of annual broadleaf and grass weeds, including wild mustard). **TERIDOX** is an important tool for preventing the emergence of resistant weeds that are tolerant to entire groups of herbicides with a similar mode of action (ALS inhibitors), which are increasingly used in all major crops (cereals, sunflower, maize, rapeseed).

At a later stage of development, for the control of volunteer cereals and grass weed infestation, treatment with the highly effective foliar systemic herbicide **FUSILADE FORTE** is appropriate.

The already established and well-known growth regulator and fungicide **TOPREX** limits stem growth, stimulates root development, and increases winter hardiness and yield potential. It should also be noted that **TOPREX** is offered at a highly competitive price in 2016.

KARATE ZEON provides excellent protection against the complex of pests causing damage in the autumn.

The optimal development of the crop also depends on the timely application of nutrients in the critical phases for rapeseed. **WUXAL Microplant** helps to overcome and quickly correct nutrient deficiencies. When applied in autumn, **WUXAL Microplant** increases resistance to cold and frost.

With its integrated technology, Syngenta provides Bulgarian farmers with a formula for maximum yield and profitability.

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