

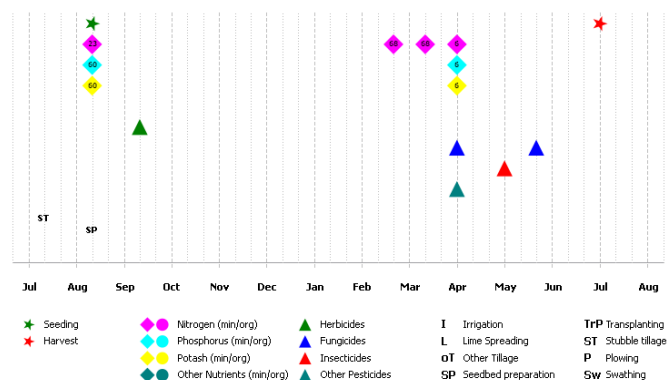
Detailed description of the typical farm UA2500ZH, Ukraine

The absence of an agricultural land market is a major challenge to Ukraine's agriculture. A moratorium still inhibits to trade land. Therefore, the pre-panel typical farm UA2500ZH does not own any arable land but rents its entire crop land at 300 UAH/ha (~ 38 USD/ha). Renting contracts are signed on average for 5-10 years and thus provide a solid basis for planning and strategic decisions. On average, the fields of the farm are 90 ha large which is an asset for mechanization and to realize economies of scale.

Being a "post-kolkhoz" farm, UA2500ZH employs many workers till today, in total 143. However, 57 of them work for the dairy and livestock production sectors and thus are not allocated to cash crop farming. 25% of the remaining personnel work in leading positions (as agronomist, engineers, accountants and directors) whereas the rest is employed as drivers, secretaries, assistants and security guards.

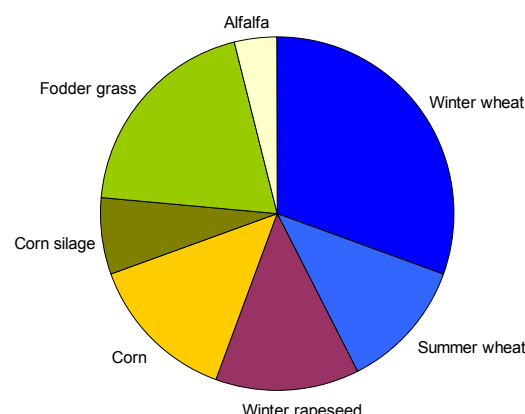
General information	
Region	Zhytomir oblast
Type of farm	Mainly cash crop
Other enterprise	Livestock and milk production
Legal status	Limited liability company; one farm belonging to a larger agroholding
Tillage system	Conservation tillage, with reduced stubble breaking and mulch-seed
Natural conditions	
Relief (hills, upland, plains)	Plains
Elevation (m above sea level)	90
Soil type	Black soil
Climate	Moderate
Main growing season	April - September
Average precipitation per year (mm)	600
Rainfall distribution	60 % during October – March, rest during summer months
Duration of sunshine or cumulative temperature	Between 40 and 280 hours per month, depending on the season

UA2500ZH – winter rapeseed after winter wheat



This graph visualizes the production system of winter rapeseed, grown after winter wheat. After stubble tillage and seedbed preparation, seeding in August is accompanied with fertilization (N, P and K) and followed by an herbicide application in September. Starting end of February, nitrogen is given three times. Fungicides and insecticides are applied during April and June before rapeseed is finally harvested in July.

Crops grown by UA2500ZH



The farm does not have a fixed crop rotation (yet). In total, 7-8 crops are cultivated: winter and summer wheat, corn and rapeseed mainly as cash crops for the market whereas fodder crops (fodder grass, alfalfa, corn silage) are used internally in the livestock production.