

Description of the typical farm BR195PR, Brazil

General information

Region	Paraná, Cascavel
Type of farm	Only cash crop
Status as typical farm	pre-panel typical farm
Other enterprise	none
Legal status	Family farm
Tillage system	No tillage with direct seeding
Production system	35 ha fallow as legal reserve 160 ha of land cropped twice a year; thus, 320 ha harvested. Corn and wheat are planted as second crops.
Decoupled payments (subsidies)	None
Other subsidies (average of subsidies paid by central government and provinces)	None
Peculiarity regarding the national land market (land taxes etc.)	The legal set-aside program requires farmers in Parana to preserve 20 % of their total area and take it out of production. If the farm land comprises a river or water source, its surrounding area must be preserved permanently. The size of the permanently protected areas depends on the width of the river and the number of water source.
Any restrictions in place regarding N application?	None

Natural conditions

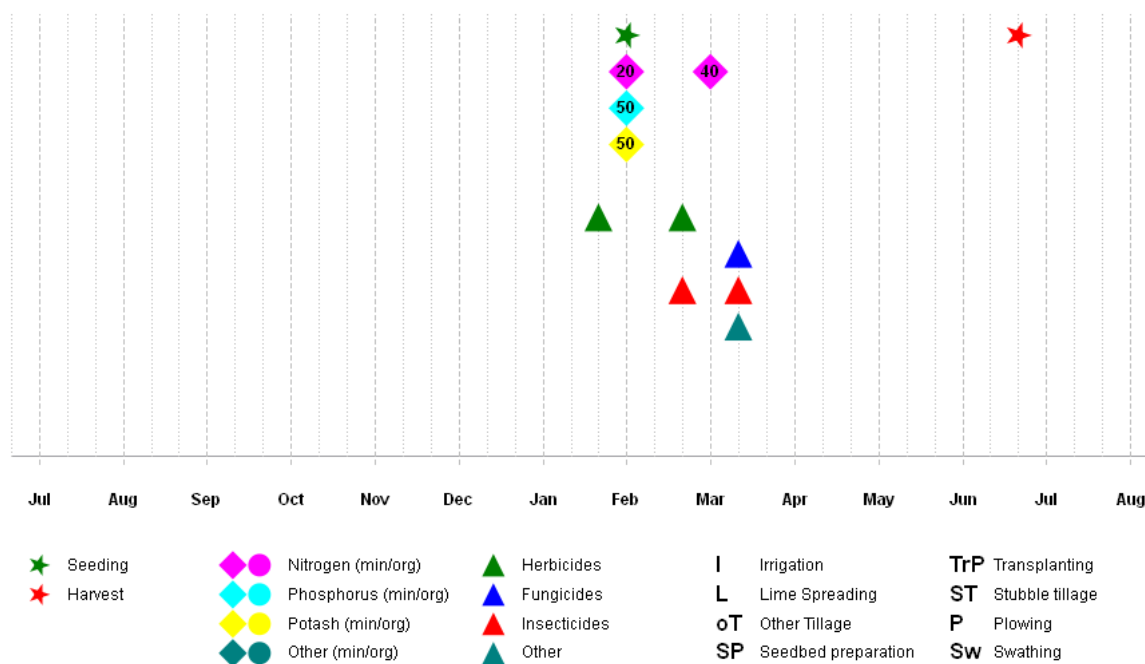
Relief (hills, upland, plains)	Flat area
Elevation (m above sea level)	780 m
Soil type	Ultisol (Nitossolo), Oxisol (Latossolo vermelho)
Climate	subtropical
Main growing season	September - May
Average precipitation per year (mm)	1,900
Rainfall distribution	between September and July on average 169 mm per month in August only 20 mm
Duration of sunshine or cumulative temperature	Between 180 and 225 hours per month, depending on the season

The Paraná farm owns the total of its 195 ha. 35ha are set aside as legal reserve. Soybeans are planted as GMO and corn as GMO and non-GMO varieties. The farm has two crop rotations with 100 % double cropping: On 112 ha soy and corn are grown, on 48 ha corn and wheat.

One family member works full-time on the farm as farm manager and is supported by two workers who e.g. drive the tractor. Thus, the labor endowment amounts to 35.2 h/ha. Part of the plant protection is done via airplane from a contractor. For the transport after the harvest from the field to Cascavel City the farm uses contractors, too.

The following pictures show the production system and how intensive corn and in particular soybeans are produced on this farm regarding fertilizer application and plant protection.

BR195PR - corn after soybeans



BR195PR - soybeans after corn

