

### **How I implement IPM**

Details of a holistic IPM strategy with low pesticide input in a European farm

## My farm

#### **PEDO-CLIMATIC CONTEXT**

Sandy soil, low to medium fertility, low water retention capacity

Semi-arid to arid moderately continental climate, with mild winters and hot summers

#### **MAIN PESTS**

- Colorado Potato Beetle
- Potato black spot and Potato blight
- Ambrosia, White goosefoot and Scutch grass

#### **AGRONOMICAL CONTEXT**

**Crop rotation: potato - corn - sunflower - barley Processing according to the principles of Regenerative Agriculture** Cultivable area: 60 ha

#### SOCIO-ENVIRONMENTAL CONTEXT

Workforce: 2 household members + seasonal workforce **Regenerative Agriculture** 

#### **OBJECTIVES AND MOTIVATIONS OF THE FARMER**

Improvement of the quality of arable land, reduction to the application of mineral fertilizers and pesticides, reduction of the participation of mechanical work and human work, integration of agricultural activity into the surrounding landscape





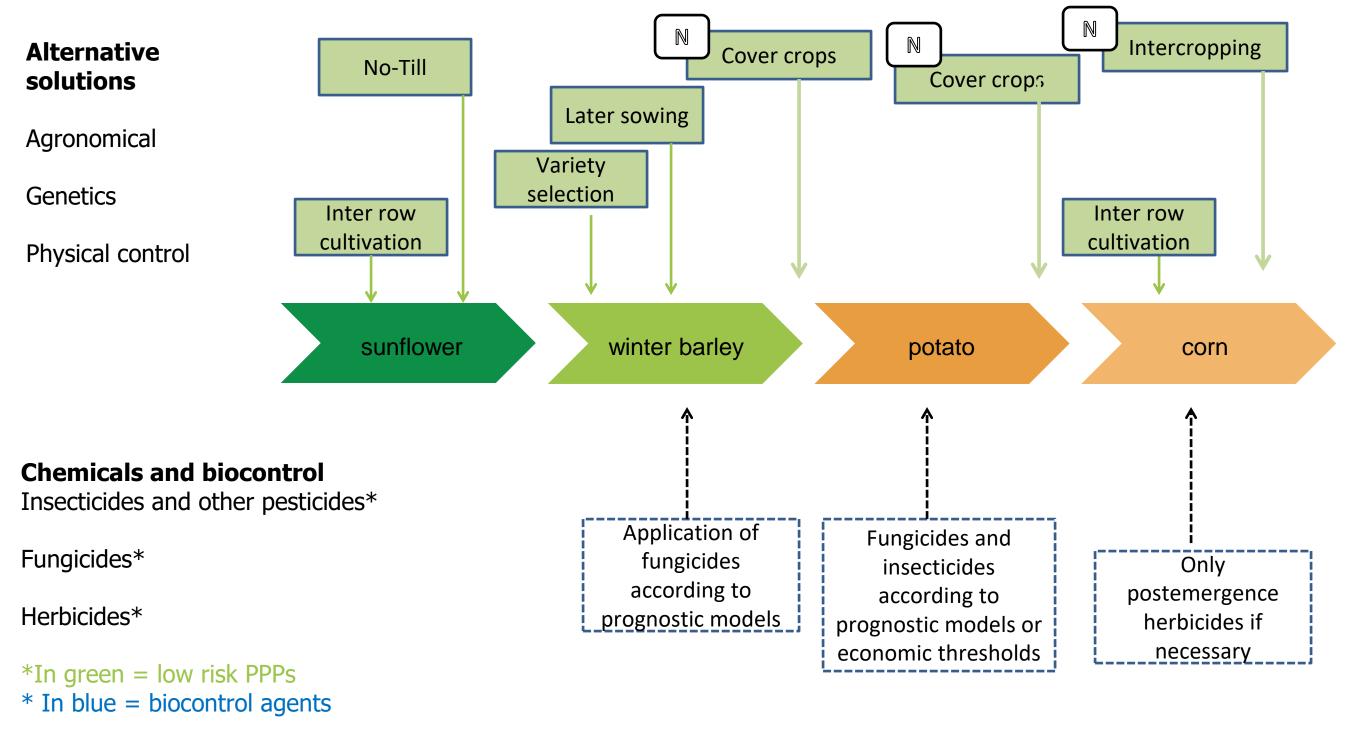


**Turi Tibor** Bački Vinogradi (Vojvodina, Serbia)





# My strategy







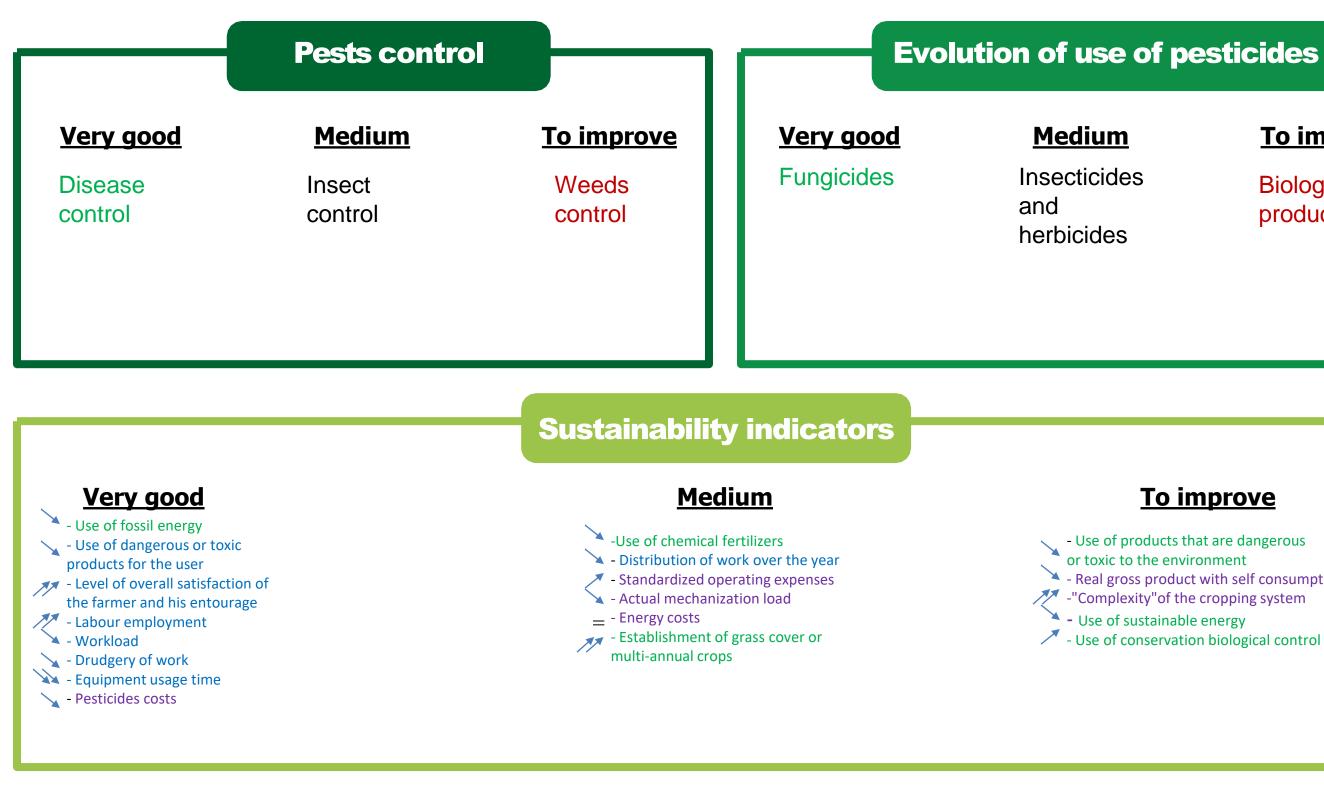
#### **Key measures**

By applying the principles of **Regenerative Agriculture, exclude the** use of mineral fertilizers, and reduce the use of pesticides to a large extent.

We also strive to improve and use available natural resources and processes as much as possible. We also work on fitting production into the surrounding natural environment



## **My results**



Legend

In green = positive trend In red = negative trend In black = comparable

= Comparable

Increase

**Decrease** 

Significant increase

Significant decrease

**Environmental indicators Social indicators Economical indicators** 

#### To improve

Biologically products

#### To improve

- or toxic to the environment
- Real gross product with self consumption
- -"Complexity" of the cropping system
- Use of sustainable energy - Use of conservation biological control [landscaping]

#### **Key conclusions**

**Using IPM and** Regenerative Agriculture, by harmonizing agronomic practices with natural processes and the environment, we reduce the pressure and impact on the natural environment.

As a result we get a reduction in the use of energy, human labor and inputs.

At the same time, we increase the economy and profitability of production.







We strive to reduce the need for labor and investment in synthetic chemistry. **IPMWORKS** provides an additional opportunity to learn about IPM measures and their implementation on the farm.



### **Turi Tibor (Serbia)**

### MAIN OBJECTIVE OF THE FARMER

Improving the health of the parcel and around the and around her. Apart from nitrogen, the complete emission of primary mineral fertilizers. Reducing the use of pesticides as much as possible. Increasing the sustainability of the farm.

### **ADVANTAGES OF THE SYSTEM**

The possibility of irrigation and the natural environment that creates the conditions for the further implementation of **Regenerative Agriculture** LIMITS

Sandy soil and the need for irrigation

**OPPORTUNITIES TO DEVELOP IN THE FUTURE** Work on further increasing soil health. Increasing soil moisture capacity in order to reduce the need for irrigation. Further reduction of pesticide application, with particular emphasis on minimizing herbicide use. Further development of cover crops and combined crops (combined sowing of barley and peas, for example)

