

## USE OF ROBOT MOWER VITIROVER

There are three traditional ways to manage the grass in the vineyard:

- Chemical weed control (70%)
- Mowing (15%)
- Plowing (15%)

When speaking 'grass cover of the plot', it is mostly a grass cover between rows and chemical weed control under the row.

Vitirover offers a fourth way that changes the game: The complete grass cover mastered with Vitirover

**This new way of managing the grass with Vitirover requires a prepared soil in the fall after harvest.**

The soil will be scraped (3-5 centimeters) (harrow, rotavator,...) and then pressed to flatten it and facilitate the work of Vitirover.

With the fall and winter (rain and possible frosts), the ground will naturally smoothed and spring grass will begin its shoot.

The land will be ideal to release the Vitirover in the plot.

The work of the robot will then be to cut the tender grass of spring and maintain the grass at the right height until the end of its shoot.

Recommendations:

- Vitirover is an ongoing maintenance tool and not a tool for brush clearing from time to time.
- The starting of the robot work is expected in early spring (beginning of the growing season of grass).  
If the robot work starts later in the season, the grass height will have to be reduced (between rows and under the rows) at the lowest, so that the robot can begin its maintenance work throughout the season.
- Vitirover is able to climb steep slopes, but we propose to work optimally, choosing plots with a maximum of 10% slope (ie 6 °).
- Vitirover must work on a flat floor (if the row has been plowed, the robot will not pass under the last thread) (if ground too chaotic, the robot will waste time on unnecessary crossings).
- The soil should be clean (pruned branches should minimally be left between rows, if they have been grounded between the rows, grinding should be fine).  
Pieces of binding wire are enemies for robots, they may wrap around the cutting disc
- The bottom wire should not touch the floor but should be attached to the stake at a minimum of 35-40cm.

