SCORPION

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CAN WE ELIMINATE THE USE OF PHYTOSANITARY PRODUCTS IN GRAPE GROWING?

THE USE OF UV LIGHTS IN THE SCORPION PROJECT

WHAT IS THE OBJECTIVE OF THE PROJECT IN TERMS OF PHYTOSANITARY APPLICATIONS?

SCORPION PROJECT DEVELOPS SOLUTIONS TO

- reduce the use of phytosanitary products in agricultural practice
- Improve safety in applications
- enhance energy efficiency in the machinery used

HOW DOES THE REDUCTION OF THE USE OF PHYTOSANITARY PRODUCTS ACHIEVED?

TWO MAIN APPROACHES

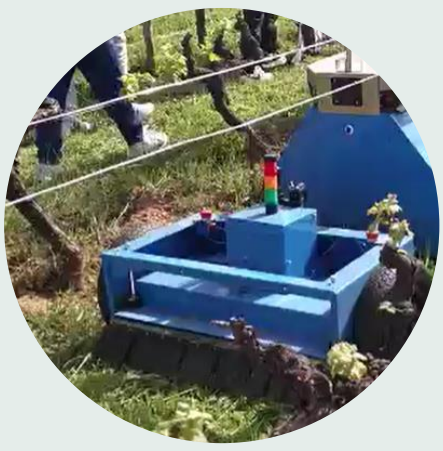
INDIVIDUAL TREATMENT

ALTERNATIVE PEST PREVENTION TECHNIQUES

WHAT TECHNOLOGIES HAVE BEEN USED?

The machinery incorporates sensors that analyze the environment in real time and determine the specific needs of each plant

Precision applicators deposit the treatment only in the required areas of the vine, reducing the use of phytosanitary products without harming the environment



SCORPION ALSO EXPLORES ALTERNATIVE PEST PREVENTION TECHNIQUES THAT DO NOT RELY ON PESTICIDES

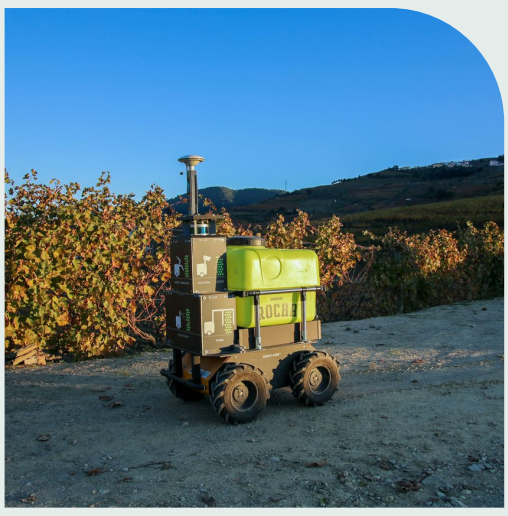
One such technique involves using ultraviolet light to eliminate pathogens

HOW IS AN IMPROVEMENT IN ENERGY EFFICIENCY ACHIEVED?

100% ELECTRIC AUTONOMOUS MOBILITY OF THE WETA SPRAYER

ALL COMPONENTS OF THE SPRAYER ARE DRIVEN BY ELECTRIC COMPONENTS

THE VARIABLE MANAGEMENT AND THE SPEED OF ACTION OF THE ELECTRICAL COMPONENTS



SCORPION ROBOT WETA

MAXIMUM CONSUMPTION OF 1.2 KWH (SPRAYER)

TRADITIONAL EQUIPMENT

WORK CONSUMPTION AROUND 20-25 KWH