

CULTI CAM MK5



Gentle on plants and quality assurance.

Driving in emerged crops requires precision in order to avoid damaging plants and achieve the best results in crop care. To meet this requirement, CLAAS E-Systems has specially developed the CULTI CAM for the automatic control of hoeing implements in row crops. Thanks to a highly specialized camera, the system recognizes the rows of plants almost perfectly. Deviations and inaccuracies are automatically compensated for on the hoeing unit. This ensures optimum alignment with the plant with a precision of just a few centimetres.

Image masking function

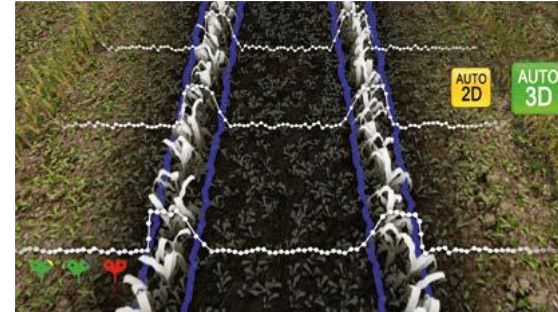
The image masking function is used to remove objects from the camera's field of view that could have a negative effect on the recognition of the rows of plants. The area outside of the yellow lines is removed.



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Row recognition

CULTI CAM now offers even more setting options. In addition to the 2D color segmentations green / blue, green / yellow and red, the stereo camera enables control via 3D object recognition. Fully weeded areas are therefore no longer an obstacle.



Advantages

- Efficient weed control by driving close to the plants
- Higher driving speeds for up to 25% more area coverage possible
- Automatic compensation of driving errors directly on the chipper
- Less damage to the fruit

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