



## Ask HOLMI!

### Episode 1: HOLMER EasyLift – explained by Head of Development Dr. Michael Gallmeier

**HOLMI:** Michael, the latest Terra Dos T4 brochure has dedicated an entire page to HOLMER EasyLift. Can you tell me more about that? How does it work?

**Michael Gallmeier:** EasyLift is the automatic depth control system for our lifter units. We scan the height and the size of the beets with the post-scalper. With this information, the computer calculates the ideal lifting height for each individual share for each individual beet. By means of the depth guidance cylinder, the calculated depth is set for each individual share.

amounts of soil with the beets, but on the other hand, he did not damage any roots because the depth was not set deep enough. It is one less thing for the operator to worry about. So with our technology we are also providing progress in terms of ergonomics.

**HOLMI:** And only the Terra Dos T4 can do this?

**MG:** Yes, only our machine can do this.

**HOLMI:** Cool! How did you come up with that?

**MG:** Well, we just added up the numbers: If a driver runs the lifter an extra 3/8" deeper than necessary the Terra Dos has to cope with 30 tons of additional soil per acre. This increases fuel consumption and the additional soil has to be removed from the beets – and the wear parts are subjected to higher strain. Before, all six shares were attached to one beam and they all had the same working height,



Lifting with Holmer EasyLift.



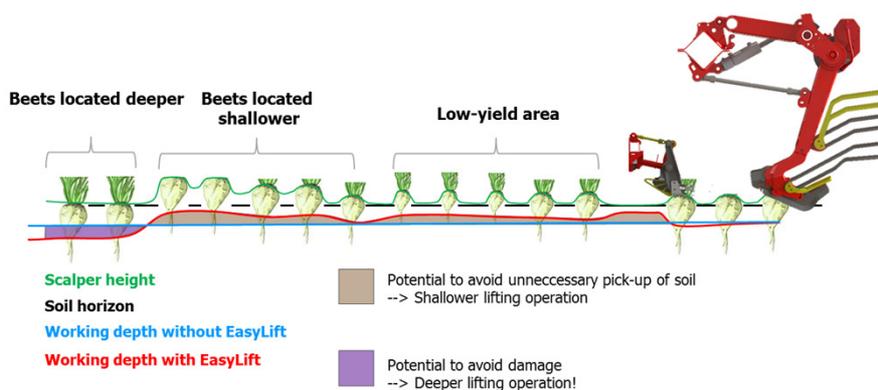
**HOLMI:** And how do our customers benefit?

**MG:** The customer always benefits from an optimum lifting yield: He did not take up any unnecessary

we know this from the harvester. And we changed this back in 2009: Since then, the HR harvester has a single-row attachment. Up to now, the height of the share could be adjusted manually. Our objective was that it should work automatically.

**HOLMI:** Why is it better for depth guidance to work automatically for each individual row?

**MG:** Up to now, the driver had to adjust the depth of each individual row. The driver could make corrections, e.g. if beets were crooked on one row. But one single field has several different qualities: In one part of the field, there is more sand; in one part the soil is heavier, in another part the soil is extremely unlevel, sometimes the beets are high, sometimes they are low. Drivers often work a 10-hour shift and have to make decisions for each individual beet - that is extremely hard work. EasyLift supports the driver optimally and makes his work easier. With EasyLift, we offer our customers a smart solution – not made of iron and steel, but intelligently connected!



This image demonstrates the potential of how HOLMER EasyLift can unfold its full potential.