

Tramline and headland management via GPS

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The correct preparation of tramlines and precise activation at headlands requires operators to be particularly attentive during seeding. LEMKEN's two new Fieldtronic electronic modules, TramlineControl and HeadlandCommand, make this task easier.

LEMKEN's TramlineControl allows tramlines to be prepared via GPS, independently of the seed drill's track rhythm. The system uses only the very first track driven as its basis for calculating all further tramlines. This not only allows operators to drive any tramline and drill in beds, for example, but also saves time, protects the soil and makes turning at the headland substantially easier.

Creating evenly wide headlands without overlaps or gaps constitutes another challenge, for which LEMKEN has again developed a GPS-based solution called HeadlandCommand. The CCI-200 terminal with ISOBUS control sets the part width sections for the seed drill based on the tractor's RTK GPS signal to ensure that the deactivation and reactivation points at the headland remain absolutely consistent. Signal areas are defined for this purpose as part of headland preparation. The operator must not change the speed after these points if the calculated remaining seed volume is to be optimally placed.

This function can be combined with the Tractor Implement Management System or TIM through a system extension, resulting in the tractor receiving corresponding signals from the seed drill and then adjusting its speed automatically. The HeadlandCommand and TramlineControl functions were developed by LEMKEN's electronics department to improve both the quality of seeding and operator comfort. All LEMKEN seed drills with ISOBUS can be retrofitted with these systems.

Source: FH Münster