

# Implement control and its effect on the dynamic performance of tractor-implement conditions

**-- Integrated control of agricultural tractors and implements: a review of potential opportunities relating to cultivation and crop establishment machinery**



Description: -

- Implement control and its effect on the dynamic performance of tractor-implement conditions
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## Effect of cultivation implements on tractor ride vibration and implications for implement control

However, current systems operate autonomously, relying entirely upon the operator for coordination. In the years to come, intelligent, electric, and autonomous tractors are expected to take over field prep, scouting, planting, crop management, and harvesting activities for many crops. The machinery sets which minimized total machinery costs were most often able to complete harvesting of corn and soybeans in 25 to 30 field days.

### Control Systems

KF and EKF are two simple and typical sensor fusion methods that integrate the vehicle model with GPS and INS measurement.

### Cause and Effect Graph

These unstructured problems involve ambiguities and information deficiencies and often occur as new or unexpected situations. When the tractor has a suspended front axle 21, as shown in FIG. The primary goal behind ISOBUS is plug-and-play connectivity with any tractor-terminal implement combination, while ensuring full compatibility of data transfer between the mobile systems and the office software used on the farm

### Cause and Effect Graph

The moldboard and chisel plots had higher potato yields than the no-till and till-plant plots.

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