

# GPS IN A BASIC RULE FOR ENVIRONMENT PROTECTION IN AGRICULTURE

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## Introduction

Today's crop production techniques and systems need to be reconsidered due to increasing concerns about environmental pollution. Thereby the main focus has to be on environmental friendly production. All actions have to consider the variability of the fields due to different soil fertilities, different soil types and changing soil water resources. Agriculture will leave the paradigm of uniformity and go into a small spaced variability. To technically realize this a simple, safe, always available and inexpensive position detection of the vehicles in the field will have to be guaranteed.

## Systematic of position detection in the field

Looking more systematically, position detection of vehicles can be divided into two categories (figure 1).

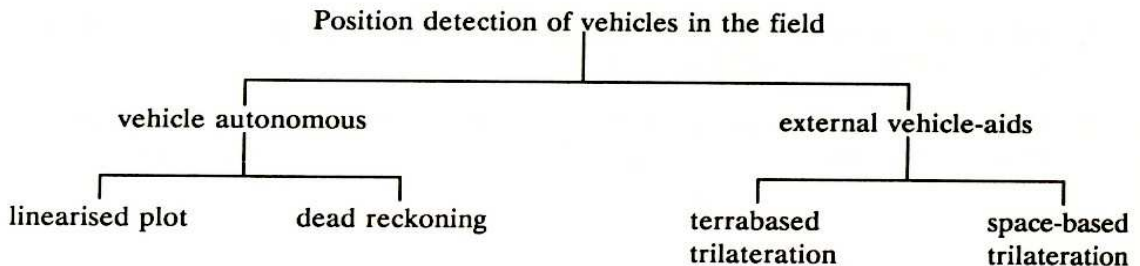


Figure 1: Systematic of position detection of vehicles in the field.

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