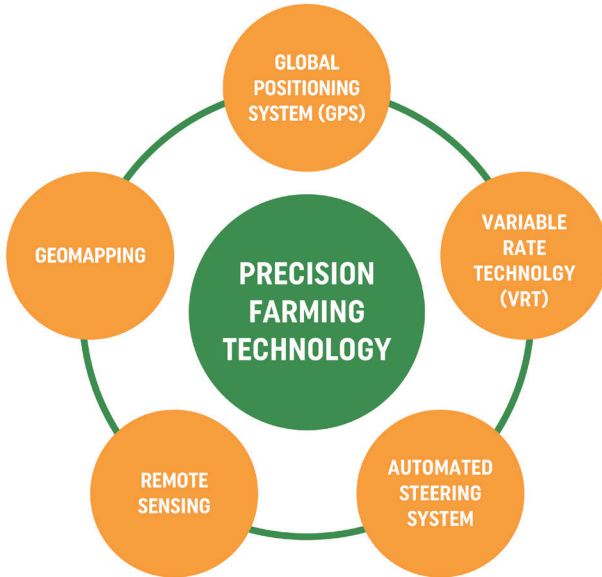


In most wider definition, the precision farming is regarded as an information technology applied to agriculture.



Precision farming relying on technology is used for farm management. A lot of new technologies are developed in the scope of precision farming within years. Some of them are remote sensing, global positioning system (GPS), automated steering system, geo-mapping and VRT.



Şekil 1. Hassas Tarımda Kullanılan Teknolojiler

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Good Agricultural Practices (GAP): Precision Farming Training Material

ENHANCING SOCIAL INCLUSION
OF YOUTH THROUGH EMPLOYMENT
IN AGRIFOOD SECTOR



PROJECT
AGRI FOOD
2021

Project Number: 2019-3-TR01-KA205-079155



AGRI-FOOD PROJECT

“Enhancing Social Inclusion of Youth Through Employment in Agri-Food Sector”

AGRI-FOOD Project is funded by the Erasmus+ Program in the field of KA205 Strategic Partnerships for Youth.



The project is coordinated by the Bursa Metropolitan Municipality TARIMAS, and in this project, project stakeholders from three countries are working together. The project started on 01.02.2020 and the project duration is 20 months.

Our project will be carried out with 2 national partners and 2 international partners. Our national partners are the Central Research Institute of Food and Feed Control (CRIFFC) and the General Directorate of Agricultural Research and Policies (GDAR), while our international partners are the Center of Food and Fermentation Technologies (TFTAK) from Estonia and the National Technology Center for Food and Canning Industry (CTC) from Spain.

Good Agricultural Practices (GAP): Precision Farming Training Material

Today, the significance of reaching and consumption of healthy and safe food is increasing owing to world population growth. Good Agricultural Practices (GAPs) come in sight in this context and can be easily defined as doing things well and assuring it has been done so (FAO, 2007). According to FAO, GAPs are a sum of rules to be applied during production (on-farm and post-production processes), which help to obtain safe and healthy food and non-food agriculture products, while considering sustainability criteria (economic, social and environmental) (FAO, 2016).

Table 1. The Good Agricultural Practices Standard Items

Fertilizer application	Documentation and internal review
Irrigation	Website management
Soil management	Traceability
Crop protection	Loss and pollution management
Harvesting	Post-harvest treatment
Workers' health, safety and training	Varieties and stocks for plantation

Whole steps from production to marketing are in the scope of GAPs. Farmers should evaluate the potential impacts of these practices on human health and environment before implementation of these practices.

GAPs could be applied on agricultural and animal products. They are applied to the products that are given below (Baghasa, 2008):

- Vegetable and fruit production
- Flower production (ornamentals)
- Agricultural plant production
- Animal breeding
- Aquaculture
- Coffee shrub production (green coffee)

Certain institutions established international quality standards, they are rules which assist for the determination of conformity across the national borders. Quality assurance systems are implemented to produce safe and high quality foods. These control systems include GAP, Good Manufacturing Practices (GMPs), Good Hygienic Practices (GHPs), Hazard Analysis and Critical Control Point (HACCP).



For many years, "Precision Farming" or "Precision Agriculture" terms have been used in agricultural science. The first appearance of precision farming happened in 1992 in USA and then it started to be mentioned in many conferences. In literature, many different definitions of precision farming exist.