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## **Precision Agriculture For Sustainability And**

Precision agriculture  
(PA) involves the  
application of  
technologies and  
agronomic principles to  
manage spatial and

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temporal variation

associated with all

aspects of agricultural

production in order to

improve crop

performance and

environmental quality.

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## **Precision Agriculture for Sustainability and Environmental**

...

The final part of the

book surveys the wide

range of applications of

precision agriculture,

from controlled traffic

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farming to site-specific nutrient and water management. With its distinguished editor and international team of subject experts, this will be a standard reference for crop scientists and agronomists as well as all those concerned with improving the efficiency and sustainability of agriculture.

**Amazon.com:**

*Page 7/27*

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Precision

**Precision agriculture  
for sustainability...**

Precision agriculture  
for sustainability

(Burleigh Dodds Series  
in Agricultural Science  
Book 52) - Kindle

edition by Stafford, Dr  
John, Ferguson, Prof  
Richard B., Gebbers, Dr  
R., Yang, Dr Chenghai,  
Zhang, Dr Chunhua,  
Kovacs, Dr John M.,  
Walters, Dr Dan,  
Fountas, Dr Spyros,  
Anastasiou, Dr  
Evangelos, Tsiropoulos,



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Dr Zisis, Tagarakis, Dr  
Aristotelis, Balafoutis,  
Dr Athanasios,  
Tremblay, Dr Nicolas,  
Sudduth, Dr Kenneth  
A., Franzen, Dr Aaron  
J., Zhu, Dr Heping,  
Drummond, Dr Scott  
T., Miller, Dr ...

**Precision agriculture  
for sustainability  
(Burleigh Dodds ...**

Plant morphological  
data are an important  
basis for precision  
agriculture and plant

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phenomics. The three-dimensional (3D) geometric shape of plants is complex, and the 3D morphology of a plant changes relatively significantly during the full growth cycle. In order to make high-throughput measurements [...]

### **Special Issue**

#### **"Precision**

#### **Agriculture for Sustainability"**

What Is Precision

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Agriculture? Precision agriculture seeks to use new technologies to increase crop yields and profitability while lowering the levels of traditional inputs needed to grow crops (land, water, fertilizer, herbicides and insecticides). In other words, farmers utilizing precision agriculture are using less to grow more. GPS devices on tractors, for instance, allow farmers to plant

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crops in more efficient patterns and proceed from point A to point B with more precision, saving ...

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**What Is Precision Agriculture? -**

**Sustainable America**

Precision agriculture benefits to the environment come from more targeted use of inputs that reduce losses from excess applications and from reduction of

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losses due to nutrient imbalances, weed...

**(PDF) Precision  
Agriculture and  
Sustainability**

Precision agriculture benefits to the environment come from more targeted use of inputs that reduce losses from excess applications and from reduction of losses due to nutrient imbalances, weed escapes, insect

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damage, etc. Other benefits include a reduction in pesticide resistance development.

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**Precision Agriculture  
and Sustainability |  
SpringerLink**

A collection reviewing current research on key technologies in precision agriculture, new publication 'Precision Agriculture for Sustainability' is out now and talks about

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how by using resources more efficiently, Precision Agriculture can make farming more productive and sustainable.

**Publication -**

**Precision Agriculture for Sustainability ...**

To make precision agriculture techniques standard practice, EDF has been building relationships with food suppliers, providing expertise to help them

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source sustainably  
produced agricultural  
products. Helping  
farmers become more  
efficient while  
protecting their yields  
benefits our bottom  
line, and theirs.

**This new approach  
to farming is  
transforming  
agriculture ...**

Precision Agriculture  
for Development is  
transforming  
agricultural extension



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in developing countries using the latest available technologies and research methods.

PAD works with partners to build, scale, and improve mobile phone-based agricultural extension with the goal of increasing productivity and income of 100 million smallholder farmers and their families around the world.

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Agriculture For

Sustainability And

Development

“The whole concept of sustainable agriculture demands that we employ precision farming technology to make the most of the fertilizer we apply. Precise fertilizer placement means nutrients are...

**Precision ag = sustainable ag? | The Western**

*Page 18/27*

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**Producer**

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There is a need to

integrate knowledge-

intensive sustainable

agricultural practices

into a precision

framework to maximize

farm productivity,

profitability, and

sustainability. This is

accomplished through

the use of an

information ecology

that connects farms,

data, tools, and people

for optimal, real-time

decisions. On Farm

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Research Field Kits

**Precision  
Sustainable  
Agriculture**

‘ Precision agriculture is a management strategy that gathers, processes and analyzes temporal, spatial and individual data and combines it with other information to support management decisions according to estimated variability for improved

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Agriculture For

resource use

efficiency, productivity,

quality, profitability

and sustainability of

agricultural production.

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**Precision Agriculture**

| **Home**

At its most basic level,

precision agronomics

takes the role of an

agronomist and helps

make the methods

they use more

accurate and scalable.

The primary aim of

precision agriculture

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and precision agronomics is to ensure profitability, efficiency, and sustainability while protecting the environment.

## **What is Precision Agriculture and How is Technology ...**

Precision agriculture is based on the ability to identify inter and intra-field variability and to use this information for more targeted crop

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management. By using  
resources more  
efficiently, precision  
agriculture can make  
agriculture more

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productive and  
sustainable.

### **Precision agriculture for sustainability | Taylor ...**

Precision agriculture is  
the peak of today's  
stage of the  
agricultural revolution,  
which started in the  
early 20th century with

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Genetic Modification

Were Introduced.

And Agriculture

**Precision**

**agriculture: from**

**concept to practice -**

**EARTH ...**

Precision agriculture

(PA), satellite farming

or site specific crop

management (SSCM) is

a farming management

concept based on



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observing, measuring  
and responding to inter  
and intra-field  
variability in crops.

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**Precision agriculture**  
**- Wikipedia**

Determining the right  
amount of nitrogen  
fertilizer to apply with  
the right timing has  
considerable impact on  
yield, protein content,  
fertilization cost and  
the environment.  
These precision  
farming...

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Precision farming for  
sustainable  
agriculture**

The Role of Drone  
Technology in  
Sustainable Agriculture

With the world supply  
at an all-time high and  
commodity prices at an  
all-time low as a result  
of increasing demands  
in food production and  
consumption, the  
modern farming  
industry is at a  
crossroads, writes

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senseFly's Benjamin  
Pinguet at PrecisionAg.

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