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## Annual Cropping Systems in the Tropics: An Introduction ...

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## Annual cropping systems in the tropics.

Book : Annual cropping systems in the tropics. 1979 pp.276pp. Abstract : This book is primarily concerned with the basic biological and physical processes operating in tropical farming systems , in which annual cropping predominates, and also attempts to relate their operation to the socio-economic context of the farming unit.

## Introduction: food crops in a changing climate

1. Introduction. Climate change is likely to impact agriculture and food security across the globe. A large fraction of the world's food is grown as rainfed annual crops in the tropics, where climate variability plays an important role in determining productivity.

## Cropping System

In many parts of the continent, two crops are grown in the wheat-based annual cropping system. However, rice-wheat cropping system in the non-traditional warm wheat growing environments on the Gangetic Plains allows only 90–120 days of crop cycle.

## **Multiple Cropping Systems**

two or more crops per year on the same land is multiple cropping (multicropping). Multiple cropping, then, is a form of farming to maximize the use of land each year. The two major categories of multiple cropping are succession cropping and intercropping. Systems are often referred to in distinguishing one type of multiple cropping from another.

### **Chapter 1**

Dryland cropping requires a rainy season of about 55 days, which corresponds to an average annual rainfall of less than 250 mm in temperate regions and 300-350 mm in the tropics. This, depending on soil water holding capacity, will support crop growth for 65-75 days.