

Green Manures and Cover Crops, January 1983-December 1988: 328 Citations / U.S.

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For any annual cropping system to be sustainable, the cover/green manure crops can be considered as the backbone. They are important in sustainable farming because of nitrogen fixation, nutrient enhancement, enhancement of organic matter, improvement of soil structure, rooting action, soil and water conservation, soil microbial activity, and weed suppression. This chapter summarizes different aspects of cover/green manure intercrops such as types of cover/green manure crops, nutrient potential, benefits, and limitations. The role of cover/green manure crops in crop rotation systems in enhancing Green manures, often known as cover crops, are plants which are grown to improve the structure and nutrient content of the soil. They are a cheap alternative to artificial fertilisers and can be used to complement animal manures. Growing a green manure is not the same as simply growing a legume crop, such as beans, in a rotation. In agriculture, green manure is created by leaving uprooted or sown crop parts to wither on a field so that they serve as a mulch and soil amendment. The plants used for green manure are often cover crops grown primarily for this purpose. Typically, they are ploughed under and incorporated into the soil while green or shortly after flowering. Green manure is commonly associated with organic farming and can play an important role in sustainable annual cropping systems. annual crops 57 Green manure/cover crops (GMCCs) in succession with. annual crops 58 Green manure/cover crops (GMCCs) in association with. perennial crops 59 Use of perennial and semi-perennial green manure/cover crops. (GMCCs) to recuperate degraded soils. Vol. 12â€”2010 .Â Crop rotation and green manure/ cover crops constitute a technology that is appropriate and essential to achieve sustainable agricultural production. Integrated Crop Management. CHAPTER 2.Â and January the hottest. Vol. 12â€”2010 . GREEN MANURE/COVER CROPS AND CROP ROTATION IN Conservation Agriculture ON SMALL FARMS. Table 1 Average monthly precipitation (mm) and temperature (Â°C) for the principal regions of Eastern Paraguay. Region. Mustard Green Manures Replace Fumigant and Improve Infiltration in Potato Cropping System. Crop Management, Vol. 2, Issue. 1, p. 1.Â Effect of No-Till or Conventional Planting and Cover Crops Residues on Weed Emergence in Vegetable Row Crop. Weed Technology, Vol. 18, Issue. 4, p. 1023.