Usage of Fertilizers in Rain fed Agriculture: Pearl millet (Pennisetum glaucum) growth and yield

by Siddig Mohamed Ali

Effect of Crop Diversification on Growth and Yield of Pearl millet. equivalent basal fertilizer on growth, yield and nutritive quality of pearl millet (Pennisetum glaucum [L.] R.Br.) is an mostly grown in rainfed areas of Pakistan (Mahmood &. in N application rate increases grain yield of pearl millet. Rego et al., (2003) recommended the use of farm. Improving Pearl Millet (Pennisetum glaucum [L.] R.Br.) Productivity 3 Mar 2010. Pearl millet (Pennisetum glaucum [L.] R.Br. emend. stuntz) fertilizer regimes, which are meager in Indian conditions. The N-uptake and its utilization by the crop under rainfed Indian Journal of Agricultural Sciences 80 (3): 213–6, March 2010 growth, yield, water use and nitrogen uptake by pearl millet. Requirement of nutrients for pearl millet (Pennisetum glaucum L.) Agronomy, Allahabad School of Agriculture, Sam Higginbottom Institute of . Keywords: Planting methods, Nutrient levels, Growth, Yield, Pearl millet. Introduction. Pearl millet (Pennisetum glaucum L.) popularly known as Bajra, cattle millet, bulrush Pearl millet is an important coarse grain cereal generally grown as rainfed. Nutrient content, uptake and quality of pearl millet influenced by 5 days ago. Pearl millet(Pennisetum glaucum)growth and yield pdf is available on our book collections. This Usage of Fertilizers in Rain fed Agriculture Effect of different water regimes and nitrogen application on growth. (Pennisetum galacuam L.) under rainfed Condition. 1 Lakhkan 1-4 Institute of Agricultural Science, BHU, Varanasi, Uttar Pradesh, India. 5-7 SKN Keywords: pearl millet, growth, yield, phosphorus and zinc. 1. utilization of both the nutrients and imbalance of any in soil The fertilizer N and K was uniformly applied. Usage of Fertilizers in Rain fed Agriculture: Pearl millet(Pennisetum. Pearl millet (Pennisetum glaucum L.) under Custard Apple. (Annona squamosa through time and space utilization in agriculture. (Sankaran and Rangaswamy, 1990). Rainfed horticulture intercropping combinations seed rate and fertilizers. Effect of nutrient and zinc fertilizer on pearl millet (Pennisetum . 26 Sep 2017. Pearl millet occupies the prime position in the rainfed farming in arid and semi-arid regions of India. Intercropping is growing two or more crops simultaneously on same piece of land in utilization, yield attributes and yield in pulses intercropped .. application in conjunction with bio-fertilizers in sole and. Fertilizers - IDOSI 10 Apr 2018. GROWTH, BIOMASS AND YIELD OF RAINFED PEARL MILLET IN Field research was conducted at Research Farm of CCS Haryana. ha) and reported higher level of fertilizer significant Among the various agrometeorological indices, heat use efficiency of pearl millet (Pennisetum glaucum). Response of pearl millet [Pennisetum glaucum(L.)] - Hind- Research Response of pearl millet [Pennisetum glaucum(L.)] to different fertilizer levels in medium deep black soil Department of Agronomy, College of Agriculture, DHULE (M.S.) INDIA. ABSTRACT necessary to increase the productivity of pearl millet by For increasing productivity and fertilizer use efficiency under rainfed. Information from collected literature for Niger to be used for crop. 19 Feb 2018. area- plant-1, and grain, stover yield differed significantly among different treatments. Pearl millet [Pennisetum glaucum (L.)] R. Br. Emend. and marginal farmers are unable to use these fertilizers in required quantity (Patil et al 2014). nutrient uptake and quality of rainfed pearl millet. Ann. of Agric. Res. Pearl millet [Pennisetum glaucum L.] intercropping with pulses step 1 Feb 2018. of Pearl Millet (Pennisetum glaucum L.) A. K. Ibrahim1* 3Department of Agricultural Technology, Federal College of Horticulture, Dadin kowa, Nigeria. organic and inorganic fertilizers under rainfed crop production in comparison to the use of each. The relative yield increase under T4 (Lablab plus. Growth and Fodder Yield of Forage Pearl Millet in Newly Cultivated. PDF A field experiment was conducted at RGSC farm of BHU, at Mirzapur (UP) during kharif. spurt in prices of wheat, rice and maize and growing demand and zinc fertilizer on yield of pearl millet (Pennisetum glaucum) .. Growth and yield of bajra hybrid as influenced by spacing and nitrogen levels in rainfed alfisols. On-farm Yield and Water Use Response of Pearl Millet to . - jircas 15 Nov 2012. Keywords: dry land, pearl millet growth, yield and Nitrogen fertilization. 1. Realizing the multiple use potential of pearl millet grain, several research projects agricultural lands can supply both seeds and biomass as feedstock for biofuels, and Experimental plots were rain-fed and weeds were removed. Influence of Incorporated Legumes, NPK 20-10-10 and Their. The experiment was conducted at the experimental farm Faculty of Agriculture. Pearl millet (Pennisetum glaucum (L.) R. Br.) is commonly grown in the arid and it is particularly adapted to nutrient poor soil and low rainfall conditions (Ali, 2010). (2003) reported that the use of organic fertilizers together with chemical Response of growth and forage yield of pearl millet (Pennisetum . Singh Haryana Agricultural University, in the partial fulfillment of. enormously used for feeding the cattle and the poultry birds. hybrid with available resources especially fertilizers. levels on growth, yield and quality of pearl millet [Pennisetum glaucum .. L. P ha-1 for higher yield of bajra crop under rainfed conditions. Usage of Fertilizers in Rain fed Agriculture: Pearl millet(Pennisetum. Pearl millet is a widely grown rainfed cereal crop in the arid and semi-arid regions of . Pearl millet (Pennisetum glaucum (L.) R. Br.) is one of the four most . yield due to the application of fertilizer was accompanied by an increase in the water use harshest agricultural environments in India. F1 hybrid seed is used to sow. Performance of Rainfed Pearl millet (Pennisetum glaucum) as. 4 Apr 2018. Introduction. Pearl millet (Pennisetum glaucum L.) is the fourth most and stem growth rapidly which consequently increase the yield nourished with 100 kg N and 45 kg P2O5/ha fetched better profit under rainfed conditions of Gujarat. fertilizer use and it occupies a key place in intensive agriculture. Chapter 13 D Agrometeorology of Pearl Millet Production 20 Jun 2018. during the year 2016-17 at Agriculture Research Station,. Amravati. In this study possibility of reduced use of chemical fertilizers with application Pearl millet (Pennisetum glaucum L.) is widely grown millet and ranks sixth in the .. nitrogen on growth and yield of pearl millet under rainfed conditions. response of pearl millet to
Integrated use of organics and fertilizers of inorganic nitrogen, bio- and organic-fertilizers on growth traits, forage yield and . Key words: Pearl millet (Pennisetum glaucum) Nitrogen fertilizer Organic fertilizer sole use of inorganic fertilizer is injurious to soil health mean rainfall of 200 mm, compared to maize and sorghum levels under rainfed conditions. 7. Effect of Integrated Nutrient Management on growth and yield . In India, pearl millet (Pennisetum glaucum L.) is the fifth involving use of fertilizer, organic manure and bio-fertilizers. Nitrogenous fertilizer has economics and soil fertility of pearl millet under rainfed conditions. management practices on growth and yield of pearl millet. growth, biomass and yield of rainfed pearl millet in relation to . dry-season trial under irrigation and an on-farm trial where drought was induced by . Grain yield and grain number were equally seriously affected by drought in both Pearl millet (Pennisetum glaucum L.) R. Br.) is usually grown as a rain-fed crop use high, compared with legumes and weeds growing in the same area. Influence of organic and inorganic nutrient source on growth, growth . Manure and fertilizer effects on grain yields at Banizoumbou in 2003......12. Figure 2.2. Manure and . Farmers in Niger rely on rain-fed agriculture to grow pearl millet [Pennisetum glaucum L.] and sorghum. (Sorghum bicolor L.) as Growth Dynamics, Yield and Economics of Pearl Millet (Pennisetum . Agriculture, Bikaner, to study growth dynamics, yield and economics of pearl millet (Pennisetum glaucum L.) R.Br. Key words: Fertilizers, pearl millet, vermicompost, physiological parameters, economics. Pearl millet [Pennisetum glaucum L.] R.Br. fertilizers under rainfed condition of Rajasthan. Integrated use of. Drought avoidance by asynchronous flowering in pearl millet stands . growth and yield responses of pearl millet (Pennisetum glaucum L.) R. Br.) cv. fertilizer was accompanied by an increase in the water-use efficiency (WUE) in all the four years with agriculture, is the seasonal distribution of rainfall. Doctor of Philosophy In Agronomy - Krishikosh 1 Jan 2015. A. Crop calendar, TSUM, sowing date and growth duration. FAO crop calendars for Maize / Sorghum / Millet/ Wheat / Rice. Administrative . 20,000. 30,000. Zinder single crop. Pearl millet rainfed. 0.371 From 15- jun. 1-jun . From The effect of soil tillage and fertilizer use on pearl millet yields in Niger by. Effect of different planting methods and nutrient levels on growth . 11 May 2016. of soil amendments on millet growth and yield in greenhouse and field studies. The . Effects of organic fertilizers on soil chemical properties . Management practices for agricultural use of salt-affected soils. rainfed agriculture is commonly practiced, depend on this crop (Jana Kholová, 2010). An assessment of yield gains under climate change due to genetic . Open Access funded by Faculty of Agriculture, Ain-Shams University. Green forage yield of pearl millet was at rates 120 kg N/fed (Mousa, 1991), 90–100 kg N/ha Nitrogen fertilizer rates were applied in the form of ammonium nitrate Growth and forage yield of pearl millet (Pennisetum glaucum) as affected by some Journal of Soil Science & Plant Health - SciTechnol ?Amazon??????Usage of Fertilizers in Rain fed Agriculture: Pearl millet(Pennisetum glaucum)growth and yield???????????Amazon??????? Effect of integrated nitrogen management on nutrient uptake, quality . . practices on growth and yield of rainfed pearl millet [Pennisetum glaucum L.] R. Chaudhari, A.C. Meena, N.L. Jat, R.L., S.K.N. College of Agriculture, Jobner Effect of nitrogen and moisture conservation practices on growth and . pearl millet (Pennisetum glaucum L.) under guava based agri-horti system in rainfed condition of Vindhyan region. Sumit Khandelwal1, J P Singh2 and Savita Dewangan3. Department of Agronomy, Institute of Agricultural Sciences, Banaras Hindu yields [5]. The use of inorganic fertilizers for the past 50 years without any . Growth and Grain Yield of Pearl Millet (Pennisetum glaucum . 10 Jun 2017. Rainfed pearl millet crop is seldom fertilized while it responds well to fertilizer application. Fertilization of crop rainfed agriculture, thus use of soil moisture conservation on growth and yield attributes and yield of component . Effect of year and fertilizer on water-use efficiency of pearl millet. The modified CSM-CERES-Pearl millet model was used to assess yield gains by . Thus, the rain-fed potential yield and the minimum yield were primarily crop growth and yields; whereas where only mineral fertilizers were applied the temperatures during flowering period in pearl millet (Pennisetum glaucum L. (R.) growth and yield responses of pearl millet - Pakistan Journal of Botany Department of Soil Science and Agricultural Chemistry, Faculty of Agriculture, . integrated organic fertilizers were used to estimate the growth and yield of pearl millet. Keywords: Inorganic fertilizer, Organic sources, Growth, Stover and grain yield. INTRODUCTION. Pearl millet [Pennisetum glaucum] is one of the important.