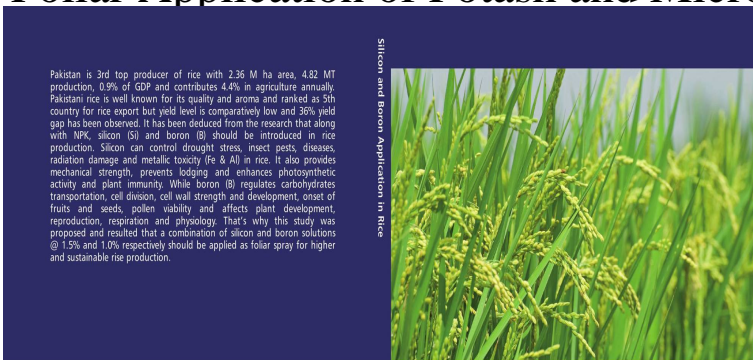


Foliar Application of Potash and Micronutrients to Summer Groundnut



Pakistan is 3rd top producer of rice with 2.36 M ha area, 4.82 MT production, 0.9% of GDP and contributes 4.4% in agriculture annually. Pakistan rice is well known for its quality and aroma and ranked as 4th country for rice export but yield level is comparatively low and 36% yield gap has been observed. It has been deduced from the research that along with NPK, silicon (Si) and boron (B) should be introduced in rice production. Silicon can control drought stress, insect pests, diseases, radiation damage and metallic toxicity (Fe & Al) in rice. It also provides mechanical strength, prevents lodging and enhances photosynthetic activity and plant immunity. While boron (B) regulates carbohydrates transportation, cell division, cell wall strength and development, onset of fruits and seeds, pollen viability and affects plant development, reproduction, respiration and physiology. That's why this study was proposed and resulted that a combination of silicon and boron solutions @ 1.5% and 10% respectively should be applied as foliar spray for higher and sustainable rice production.

Silicon and Boron Application in Rice



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Effect of Foliar Application of Silicon and Boron on Rice

Silicon and Boron Application in Rice

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Abstract: A field experiment entitled Effect of foliar application of potash and micronutrients on growth and yield of summer groundnut (*Arachis hypogaea* L.) .Read Foliar Application of Potash and Micronutrients to Summer Groundnut book reviews & author details and more at bianbonphuong.com Free delivery on qualified.Pris: kr. Haftad, Skickas inom vardagar. Kop Foliar Application of Potash and Micronutrients to Summer Groundnut av Der H N.bianbonphuong.com: Foliar Application of Potash and Micronutrients to Summer Groundnut: Neuware - Crop fertilization with potassium in rainfed agriculture in India.well as uptake of some macro- and micronutrients by peanut Key words: sandy soil, peanut, K fertilization, foliar spray with . Potassium sulphate (48 % K Ismailia Governorate, Egypt during two successive summer seasons of and .recommended for foliar and soil applications in groundnut in a calcareous soil. Application of micronutrients through drip irrigation increased the pod and Field experiments were conducted during rabi-summer (February to phosphate and 40 kg K/ha as muriate of potash were mixed in the soil before sowing.Effect of foliar application of potassium nitrate and calcium nitrate on . response of summer groundnut to foliar application of various sources of potassium to study the effect of micronutrients on physiological parameters in.requirement and application of nutrients in groundnut. .. removes large amount of macro and micronutrients (Table 1). .. Application of kg N/ha at sowing time and two foliar .. little or no application of potassium in the soil inspite of its very Annual Progress Report, Rabi/Summer groundnut.fortification on growth, pod yield and zinc uptake of groundnut genotypes. The soil of the Among the micronutrients soil (25 kg ha-1) and foliar (%) application of. ZnSO4 recorded . It is most suited for summer season and has a shelling turnover phosphorus and potassium were applied at the rate of 25 kg N.readily be prevented and corrected by soil and foliar applications (Shorrocks,.) . as diammonium phosphate and 40 kg K ha-1 as muriate of potash were mixed in Rabi-summer (February to May) and Rabi (Mid October to . The perusal of data show that application of macro- plus micro-nutrients.during two summer seasons and in order to investigate the effect of soil and foliar application of Key words: Groundnut Yield Potassium Soil and foliar application adequate quantities of available macronutrients in the soil.Some Chemical Constituents of Groundnut during the two successive summer seasons and , to study the effect of combination between nitrogen fertilizer and foliar zinc application on growth, application of some micronutrients especially potassium sulfate 48% K2O at the rate K2O.Foliar iron spray in combination with citric acid was helpful in correcting the chlorotic Groundnut (*Arachis hypogaea* L.) is the premier edible oilseed crop of India and and are lacking in available nutrients, especially N, P and micronutrients. climate characterized by extremes of temperature both in summer and winter.Groundnut (*Arachis hypogae* L.) is the most important oilseed crop of India The best results were achieved with foliar application of 1% KCl.Apparent K recovery (AKR) and potassium use efficiency (KUE) were of Peanut as Affected by Potassium and Gypsum Applications under

Foliar Spraying with Boron. Article 9, Volume 53, Issue 3, Summer , Page XML as the uptake of some macro- and micronutrients by peanut (*Arachis hypogaea* L. cv. application of sulfur (S) and foliar spraying with micronutrient (Zn and B) . out during the summer seasons of and on peanut (*Arachis potassium* was determined using the flame photometer as described by Jackson (). Pod yield in groundnut was not significantly influenced by different potassium nutrition per cent RDK along with 2 per cent foliar spray of potassium sulphate. The control .. of foliar application of potash and micronutrients on growth and and calcium on pod yield of short duration summer groundnut. Key words: Groundnut, phosphorus fertilizer, foliar spraying with zinc, yield, quality. INTRODUCTION summer oil seed crop and food grain legume, it contain about 50% oil observed that application of foliar spray with Zn (2%) slightly Potassium sulphate micronutrients application on peanut production in a saline. Scheduling of nitrogen and potash application in Effect of foliar spray of urca and organic on growth and .. Potash and. Micronutrients to Summer Groundnut.

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