

The Effect of Phosphorus on Growth and yield's of vicia faba in Roodsar City

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The Effect of Phosphorus on Growth and yield's of vicia faba in Roodsar City Abstract
To evaluate the effect of phosphorus on growth and yield of vicia faba, experiments with a randomized complete block design was executed in roodsar city in Gilan prvince in 3 times. The main quantities which were experimeted are: 0(Avoiding the use of phosphorus fertilizers or witness), 20, 40, 60, 80, 100, 120 and 140 kilograms triple super phosphate per hectares. These values were applied in strips on either side of row the specifications which were evalu-ated are: the first harvesting of green pods, second harvesting of green pods, green pod's yield, harvestable pods per square meter, unripe pods per square meter, number of stem branches, the height of bushes, biological yields, harvest index of dry pod, harvest index of dry seed, the aerial part's yield, weight of 100 seeds, dry weight of pod's shell, dry pod's yield and the dry seed's yield. the results of variance on studied adjectives indicated that the diffrent usages of phosphorus in second harvestment of green pod, green pod's yield, harvest-able pods per square meter, height of bushes, biological yield, aerial pod's yield, dry weight of pod's shell, dry pod's yield and dry seed's yield have significant results. by evaluating the studied results it is determind that by increasing usage of phosphorus up to 120 kg per hectare, all adjectives have been increased but by increasing usage of phosphorus up to 140 kg per hectare, the increasing level would be stopped. the best usage of phosphorus for increasing the growth and yield of vicia faba in the maintend province is 120 kg. By: Kobra Seddighi Roodsari

Keywords : Key words: Phosphorus, vicia faba, pod's yield, seed's yield.

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