



SOIL VOLUME MASS AND POROSITY POSITIVE INFLUENCE OF LEGUMES

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Abstract:

Mazkur makolada y'kazilgan tazhriba natizhalari dukkakli ekinlar tuproqning xazhm vazni va govakliga izhobiy ta'sirni kursatganligi ilmiy jikhatdan asoslab berylgan.

Introduction

One of the agrophysical properties of the soil is the volume mass, which is directly related to the development of the root system of crops and the above-ground stem. Because of the roots development level of soil volume to the mass too effect is enough Of the soil this agrophysical feature in improvement legumes crops repeated plant as planting efficiency learning in order to experience was conducted . Field experience Andijan It was conducted in the fields of the UzPITI Andijan experimental farm of the Asaka district of the region .

Field experience the following in order posted :

Option 1 — autumn from wheat after repeated farm not planted .

Option 2 — autumn from wheat after repeated farm Makkajukhori planted .

Option 3 — autumn from wheat after repeated Soybeans are planted .

Option 4 — autumn from wheat after repeated farm mosh planted .

Option 5 — autumn from wheat after repeated farm Lovia planted .

Option 6 — autumn from wheat after repeated farm Chickpeas planted .

Option 7 - autumn from wheat after repeated the husband is a nut planted .

Option 8 - autumn from wheat after repeated farm blue Chickpeas planted .

Experiment 4 , pieces two row placed , every one of the piece area 200 m ² , calculation 100 m ² consists of The following table data carefully analysis doing if repeated crops soil of the class volume to mass directly impact what he did let's see possible will be



**Table 1 Repetition crops of soil volume weight and to the hollowness influence
(28.09.2022)**

Var. No	Repetition crops	volume weight , g/ cm ³		Govaclik , %	
		0-30 cm	30-50 cm	0-30 cm	30-50 cm
1	Tacrorium farm not planted	1.57	1.59	41.9	41.1
2	Makkazhori	1.55	1.55	42.6	42.6
3	Soy	1.40	1.56	48.0	42.2
4	Mosh	1.39	1.55	48.6	42.6
5	Lovia	1.48	1.50	45.2	42.2
6	Point	1.46	1.58	45.9	41.5
7	It 's a nut	1.45	1.57	46.3	41.9
8	Kok end	1.48	1.54	45.2	43.0

In particular , the soil driving and in the driving layer the most high density repeated plant uncultivated, dry without leave was observed in the 1st option . Because to the soil of this option summer from driving after in general processing not given , humidity in vain evaporated gone was Repetitive corn volume in planted option 2 weight from the control a little lighter the fact that was determined .

To us scientific from sources known the majority village economy crops of the root active development for driving layer of the soil volume piece weight 1.10-1.40 g/cm³ necessary Repetitive legumes crops the same is acceptable to density near volume weight provided to say can

Among them , mash and soybeans are planted in options driving layer volume weight 1.40-1.39 g/cm³ being , this density we as in the pamphlet that we count . Other repeated legumes crops soy and moshni the soil volume weight and porosity as an effect high if not acceptable density to the body brought For example beans , peanuts , peas and blue peas planted in options driving layer of the soil weight 1.45-1.48 g/cm³ that it was our opinion confirms . Driving layer of the soil porosity according to determined our data repeated crops this to the indicator effect according to volume weight effect with suitable will come This indicator volume weight i numbers based on is determined . The results of the experiment showed that leguminous crops had a significant positive effect on the volume weight and porosity of the soil.

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