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AGROPHYSICAL CONDITION OF SOILS IN THE BUKHARA OASIS

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Abstract. This article discusses the Bukhara oasis. The general physical properties of the cultivated meadow soils were studied in detail. According to the results obtained, the specific gravity of the soils was 2.56-2.67 g/cm, and their density was in the range of 1.27-1.63. It was found that the amount of physical clay (<0.01 mm) in the studied soils fluctuated within a very wide range, between 14.2 and 55.2%.

Key words: mechanical composition of soil, macro- and microaggregate state, density, hardness and porosity, coarse dust, fine sand fractions, fertility.

Bukhara province in the districts widespread and irrigation busy with soils mechanic content in terms of diversity with The region is divided into districts and on farms irrigated soils mechanic content in terms of diverse that was due to, held agrotechnical (plowing, irrigation, cultivation) to give, to fertilize, and etc.), reclamation (salt washing, collector ditches system organization to do, to draw waters depth designation and etc.) events mechanic to the composition looking at differentiation necessary.

Soils mechanic composition his/her very many properties, water hold to stand, in the soil water rising to stand, water conductivity, heat description, temperature order, food substances with provision to the level of microbiological to the activity, to the soil processing in giving comparison against and this with together processing to give to the term, to the connection, to the soil physical maturity to the level impact will reach.

Soil mechanic composition main morphological pointer is, all typical soils therefore him/her organization doer all genetic layers for to oneself typical mechanic content exists. For example sand, sandy, sandy loam, loam, (light, medium, heavy) and clay (light, medium, heavy) mechanical the contents are either this genetic layer and layers for typical will be .

Soil mechanic composition main agrochemical indicator, because above statement as we did, in the soil humus all food substances, soil to absorb capacity necessary oxygenated compounds soil mechanic the size of the elements (elements) with related without changes. Soil mechanic content in terms of if it gets worse, then light to the soil relatively humus, macro-and microelements, especially to absorb The capacity also increases. and etc.

Soil mechanic composition important water-physicist and physical-mechanical pointer considered, sandy, sandy loam, sandy loam and mud in soils one similar property and order to the body It won't come, of course. soils mechanic in terms of from each other differences because of to oneself typical physical – mechanical to the features has For example, sandy soils how much big water (wet) capacity has not, but okay water conductivity and bad capillarity to properties has. In clay soils on the contrary, they big wet to capacity These two kind mechanic content in soils to oneself typical air, water and heat procedures exists. If this both the soil processing to give point of view from the point of view if we evaluate , it's easy mechanic content in soils viscosity and physical – mechanical features less expressed for to them processing to give even high humidity urgent even in the circumstances done Clay soils big to stickiness has that was for to them

processing to give very big difficulty with, only known humidity at the level of done is increased.

Mechanical content-important reclamation pointer , because salty wash speed , its quality of course of soils mechanic to the composition garden . Second from the side , salty washable in the regions necessary in the layer sewer collectors , they between distance in marking , of course of the soil mechanic composition into account is taken . Consequently all mechanic content soil of groups water to give ability without knowing standing, necessary in size sewer collector system organization to do possible not. Moreover, either this at the level salty of soils wash for necessary was water standard in calculation mechanic content (its field wet capacity (base) as is taken . Next take visited research this shows that the soil fertility to increase aimed at events done in increasing, especially salty wash transfer necessary was regions for of soils mechanic composition according to maps to compose important importance profession will reach.

Mechanical content-soil of the rating basis, that or this farm soil maps in the construction, soil types in separation and separated soil types in assessment (credit rating) bali) base become service does . Above cited information soils in describing it, in evaluation mechanic the content how much big importance has that shows.

This highlight It is necessary that the soil chemical composition , especially its to absorb capacity , humus amount and others, of course, mechanical to the content very related without changing Bukhara oasis irrigated soil mainly mechanical to the composition according to heavy, medium , light from the sand dunes and sandy , sandy consists of is, their area in the province heavy sandy -22798 ha, medium sand dunes -73750 ha, light sandy loams – 65322 ha, sandy loams – 11533 ha and sand dunes 11931 organization does (Table 1).

1 - table

Bukhara province districts of soils mechanic area, hectares on account of

Districts name	Mechanical composition					
	Heavy	Medium	Light	Sandy	Sandy	Total
Bukhara	2414	10300	5294	38	272	18318
Vobkent	3905	8269	1475	275	0	13924
Creature	391	5230	11565	1838	1852	20876
Kagan	2665	6435	4648	283	85	14116
Karakul	436	3775	10509	1177	1830	17727
Karavulbazar	7371	436	2730	1112	1020	15799
Tool	186	2006	8963	1481	2411	15047

Romitan	962	11535	5293	841	199	18830
Peshku	2083	6912	4183	684	1484	15346
Driver	506	5603	7113	2972	2740	18934
Gijduvan	1879	10121	3549	832	38	16419

Agronomic point of view from the point of view in evaluation not only of soils mechanic elements the size to know enough will do. Maybe somewhat mechanic from elements harvest was in the soil microaggregates existence is descriptive. With this together this mechanic of elements water under the influence to wash resistance doer ability study important. Soil structure especially water conductivity in evaluation sandbox and mud of soils description important from the sides Bukhara oasis of the soil mechanic composition different - it is a district, their genesis, morphology , soil harvest doer mother-sex and of people cultural irrigation activity with depends .

Districts soil mechanic composition different - nebula of the province other observation in the districts as well possible. Obtained information analysis this shows that Qarovulbazar (7371 ha), Vobkent (3905 ha), Kagon (2665 ha), Bukhara (2414 ha) , and In the districts of Gijduvan (1879) heavy sandy soils other to the districts relatively somewhat many fields occupies . Province according to middle and light sandy soils the most many land fields possession with together districts between various distributed , that is Romitan (11,535 ha), Bukhara (10,300 ha), Gijduvan (10,123 ha), and In Vobkent (8269 ha) districts middle mechanic content soils In Jondor (11565 ha), Karakul (10509 ha) , Olot (8963 ha), Shafirkan (7113 ha), sandy and sandy mechanic content soils , in the districts of Shafirkan (2972-2740ga), Jondor (1838-1852ga), Olot (1481-2411ga), Karakul (1177-1830ga) many fields occupies .

Above information from that evidence gives from the past watered farming done in the upcoming district farms widespread of soils mechanic composition somewhat weight see It is possible . It is certainly possible. soil surface to the layers anthropogenic of factors impact as a result to the surface arrived . Sandy desert to the territory borderline in the district farms where widespread of soils most sandy and sandy mechanic to the content belonging is, their civilized status a little low.

From the past irrigated meadow of soils mechanic composition mainly heavy sandy is , their driver and driver under in layers physicist clay amount 44-55 % organization does . Vobkent in the district from the past irrigated in the soil incision according to down looking at physicist clay amount exceed progress observed. May particles inside large and small dust particles advantage Sand particles especially large and middle sand amount somewhat less.

So, mechanical content Bukhara oasis in the soil whole processes in management participation will, own in turn from the soil use in the field necessary was whole events working on the way out main indicator become service Bukhara oasis soils mechanic composition in terms of different – nebula with separated It stands. To the soil processing in giving, watering, fertilizing and different

crops in placement their mechanic composition into account when taken without differentiation necessary.

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