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Problems of hygiene and labor in agriculture

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ABSTRACT: *On the basis of the Resolutions of the President of the Republic of Uzbekistan No. PQ 5369 of March 24, 2018, No. PQ 3630 of March 2018, No. PQ 42 02 of February 20, 2018, rural settlements are developing not only economically but also socially. The cultural level of the rural population has increased, the level of medical services provided to the population has improved, and positive changes in working and living conditions have been noted.*

At the same time, new important and urgent problems have arisen in the science of hygiene and sanitary practice. The state programs on agricultural reform of the President of the Republic emphasize a comprehensive approach to the development of this sector and the acceleration and deepening of the development of related industries and the achievement of final results. Addressing these issues is directly related to improving working and living conditions in rural areas.

.KEYWORDS: *field farming, temperature, dust, noise, vibration*

INTRODUCTION

This is the main object of scientific investigation dominant cotton pains dealing with the workers engaged in the cultivation of vegetable products in the field care, greenhouses, livestock farms and complexes , etc. as well as poultry farms , sheep farm workers and their working conditions, hygiene, agricultural production unacceptable q factors required h Thanks to the scientific aspects of measures , etc. The main issues acceptance. The main agricultural production worker training rinlarida b learning b may include teaching the desired chemical, physical , biological factors, business process o orange Selecting and intensity , etc. as well as their impact on the health of workers and the ability to organize the event.

Working conditions of agricultural workers in all seasons of the year (spring, summer, autumn, q) training rganildi. All the workers during the work day training sets rinlarida microclimate,

dust, gases, etc. as well as the level of air pollution by microorganisms in the environment teaching ergonomics Meteorology training to check the parameters of the hot and cold season, production rooms microclimate sanitary and hygienic standards, based on 0203-06 Ruz sanctions. Employee training and the air temperature and relative humidity Assman aspirasiometer, air speed of movement See the anemometry, the temperature index using the ball thermometer should be clearly drafted.

Materials and their discussion

Field of miners working conditions indices of agricultural mechanization, training of plants used in the care of equipment and technology, etc as well as working closely with the level of organization of the process of Bo G is. Study plant care mechanization on the basis of all mobile equipment to carry out agro-technical measures provide additional adopting [3].

See our country in recent years, but the high level of technical aspects has improved indices of agricultural machinery production market gaining additional breakthroughs. In particular, work in agriculture, but Kori livelihood MGA training equipment you want to come into the minds of evidence. These include T-70-60, Arion-630, Arion-850, PUMA, -310, MX-240, MX-255, Maksud, MAGNUM, Walter, etc. have might be. Industrial production at the level of aging equipment, standing, etc. administrative system and control mechanism of booths correlation with income. Q indices teaching economic booths outside the back of the engine franchisee to transfer them to see some of the aging face in the industry. Moreover, booth in front of the engine with high levels of heat, noise, and the source of deterioration of machine performance. See the tractor cab design in care training most of the name and some of the equipment the bottom of the cockpit see a number of them to control the process in the name of rights and the order to monitor the performance of indicators additional windows curriculum is built and. However, booths, etc. Add external booth with a glass cover the solar plexus and radio the hot air, allowing entry to the air- [7]. Q but above those tractors booths from 2 to 3.5 cent. Magnum, Arion 630. 850 tractors booths in Department will mainly two men. This training turn See the unit's management and training road transport through orange corridor connecting the movement. T-70-60, Arion 630-650. Magnum. Vantra. MX-240 of 255 tractors booths heating-air conditioning systems, training tir orange underwear, clothes hanger, utility, window cleaner, drinking water to ensure security income. Q subscribers to access the canopy order to create management system (steering wheel) or with the equipment before you see a chip pan equipped. This is an educational turn in accordance with the desire to work a couple of times to see training takes able to change the curriculum.

Tractors booth curriculum is built and training tir orange worker training among training basis.

Study tir orange body inwardly and working with the possibility of change. Study tir orange necessary emotional and mechanic educational meeting and to adjust the weight, they see aspects of the engine equipped. Buying low and mechanic training tir orange necessary emotional, but see higher and further educational create pure management in order to take pictures using the pedal. B training tir orange high machine learning tir orange and among them is reduced by using the pedal.

or q aga sense. Study tir orange drink curriculum is built and special equipment mechanics and q ti and q ti n h penis training workers and changing the curriculum turn machine h issiyoti and positive performance 'secret k academic life [3,7,9]. Some of the q indices x teaching economic technology training tir orange T standards among boys settings do not. For example; MTZ 80, 82, T - 28m, T - 4 tractors teaching tir orange among the small size, they suyang' hearts. Such training tir see the orange among them bees. As a result, it h Part of operators to quickly complete q leads to the work [7, 9, 19]. The process of machine learning Tirgu h q glans aradilar. Working h penis me riyligi the effectiveness of labor activity and the machine so the orange disclosure positive 'secret.

Yu q oridagi comment h q rights can see the current time, the share of q x teaching equipment, improvement of legislation screening, employee training rinlari see the machine at http conditions, training tir see the orange and chief among them according to the administrative mechanisms q h credibility curriculum could maintain and automatic equipment, etc. case q see the development of market mechanisms is required h h im a crucial role. Q x followers of teaching economic machinery booths mechanics weather - the air directly to the mystery of matter, etc. See the enforcement rights, employee training rinlarida moderate contamination q simulation to create the Department mainly. Of course, in accordance with the cockpit of metal insulation q misdemeanor mechanics, but kari-level hot q % or cold q h h dose required law enforcement q hung b teaching impossible. See the tractors booths warm up resources q household; q uyosh radiation (70 - 80%), engines (8 - 15%), mechanics (10 - 15%) and q a mechanism (3 - 8%). We conducted by Research ruvlar that care training provider, warm law protection tionship h q q b jump training equipment and a tin booths, hot Seasonal weather temperature, h h h Idea T no oriligi was observed (Table 1).

1 - table .

Some of the indices q x teaching techniques cockpit temperature classification legislation

equipment models	Tash q i h temperature S degrees	Cockpit h Temperature degrees C
MTZ - 80	40 - 45	45 - 55
T - 28	40 - 45	50 - 54
T - 4	40 - 45	52 - 57
T - 40	40 - 45	55 - 58
XTZ - 80	40 - 45	45 - 48

See the temperature of booths, etc., but oriligi is obliged to open the machine door and windows of tractors. H Part of this training turn leads to increase the level of the booth ch England. Industrial production on the basis of q aryl technology today, Seasonal hot protect legitimate q h q for all k measures the academic vantage. Their booths on Q b academic or q b academic Yalgiz, cardboard partitions slime and sun radio police protection h q influenza. In addition, this technique cockpit air training is built and glass partitions oramtir s training or q s q slime. They are learning turn the cockpit moderate contamination q stemming the essence and mechanics see the light of uyosh karim protection h q (2 - Table)

Table 2 .

See the industrial production phase of cockpit equipment on the temperature classification (q i h h and temperatures of 38 - 45 C)

equipment models	H temperature S (degrees).			
	Pol	Shift	Previous q name	The door
T - 70 - 60	45.1	35.2	44.3	36.2
Arion 630	40.2	31.4	41.4	37.7
Arion 850	36.3	36.1	39.1	36.3
PUMA	39.4	37.5	38.2	35.4
Magnum	38.4	34.5	35.3	33.7
MX	40.2	37.2	38.2	33.9
Max	41.3	37.9	36.4	34.1

So , like others external surface of the q i h h temperature of the K learning most of cases , such as temperature - dependent orange li h q . Work environment o dv Gately and h b hanging teaching h h due to the temperatures hitting the floor surface temperature q q q Aragaki names , but see above . See the industrial production phase and equipped with air conditioners indices q x teaching techniques booth microbial q education legislation linked to external conditions q i see the orange li (3 table).

Table 3 .

Air ji h equipped vehicles booths microns q mortality external metorologik conditions linked to the orange li eligibility

equipment models	Tash q i meteorological conditions			Air working the booth.		
	h temperature	humidity	H avo h arakati	h temperature	humidity	H avo h arakati
T - 70 - 60	35.1-37.2	40-48	1.8-1.9	23-25	50-60	1.2-1.3
Arion 630	35.4-37.3	41-47	1.7-1.8	25.1-26.0	51-62	1.1-1.2
Arion 850	36.7-37.0	42-44	1.0-1.5	26.1-27.2	55-60	1.1-1.2
PUMA	36.1-37.2	41-44	1.1-1.3	26.7-27	56-61	1.0-1.2
Magnum	35.8-36.2	40.2-41.2	1,0-1,1	24.0-24.2	55-62	1.1-1.4
MX	37.7-38.3	40-42	1.7-1.7	26.1-27.2	55-62	1,9-2,1
Max	37.4-38.2	41-42,1	1.0-1.3	27.3-28.0	52-58	1.3-1.6

KA air conditioners for buildings, tractors, etc. air using a special rubber device from the top. Part of Avon's cab straight to the vehicle. As a result, mechanizer can cause cooling of the body [13-17].

Tractors booth with hot liquid to ensure special equipment or air conditioners. Booths hot kiss pedigree cases, tractor engines or use water as hot % per purchase and sale (MX, Arion 630, 850, Magnum).

Q is the case during the Cold (q i h temperature -5 -10 C) MX Magnum, Arion 630, 850 tractors cockpit temperatures +15, +20 h s. Q but those way above the cockpit heating drawback is that the hot q levels q branches of possible lead. Moreover, q bee q hot, but because of q given above com booths Hot q % q equal distribution [23.33, 35]. Agriculture reorganizing the legislation booths microns q education to improve the conditions of technical means, that is, Air Switcher, q and q during Sun ' legal hot q up to the vehicles. Hot legitimate q h h protection titles in order to make the most of cases, light training tkazmaydigan screens, shelf, etc. can be protected swelling. Hot legitimate q h as a protected display on Q-colored b hole in the metal that you want to display teaching. Adjustment k l teaching pro q effect. Polish booth rubber q with q protect legitimate MTP engine warm q h q influenza. The tractor cab Sun ' legal h weather is a city Tirgu training could maintain warm protection from legitimate q h q effective way to the meetings. Scientists controller that care training provider, such as a speed of 2.2 m / sec, etc. The air is sent to external q i h h air temperature of 35-40 C b died, booth 20-25 C h temperatures income [25 , 26 , 27] .

Tractors, Hot tionship q il a tool to eradicate this business and leisure schemest boys organizationofsettings.

Our hot q i q sh aroitida educaion work at 5:30 inthemorning, starting at 11:00gacha hours and from 16:00 to 20:00 treatment is indicated.

Therefore, a q, select a number of q i lo q x teaching staff cotton t bullets phase of legislation to ensure work clothes ka t a h crucial. Such fabric teaching absorb the sweat l, h Avon teaching model and q Uriah. Hot workers protection from legitimate q h q the order of the meetings of drinking t h son of settings required to establish presented. The workers care for learning k tea, tinctures, vitamins (A, B, C RR) enriched su no casus belli ma q eligible for sadga is. These q see the number of organisms in different physical exercise withChina q gain an important role [18]. Q rural q x academic rankings machinery mechanic can hide the body ' s curriculum is one of the factors that you want to changlikdir. Tractors booth dust hermetic s educational booths floor, DOS windows, doors, etc. as well as technical malfunctioning air a h l mashtirgichlar or q ali. K abinalarga into the dust directly back q q in the soil moisture level, air- h h, the speed of movement and training horseshoe dependent orange li q [18, 19 , 21 , 2]. Once the dust enters the machinery cabins, they accumulate at different angles, and as a result of vibrations caused by tractor movement, the mechanizers concentrate in large concentrations around the respiratory organs (XT3 80, MTZ 80, 82, T 28).

Study Parliamentary laboratory examinations arable land, leveling, Baron q process rights XTZ - 80 tractors MTZ -80, 82, T-28 cockpit dust mi q 40-45mg / organization has established. Me 'is 7-8 times more than the yard. But Arion examined -630, 850, Magnum MX technology booth Hermes K levels, air conditioners throughout, they booths dust concentrations of 10-12 mg / year (4 table).

Table 4 .

Some of the equipment booth dust back q Doris teaching rsatgichlari .

equipment models	Tash q i h avo chang mi q dori , mg /	See the cockpit mi dust mg /
MTZ-80	50-55	40-42
MTZ -82	60-62	45-48
T -28	54-61	42-46
Arion -630	60-65	10-15
Arion-850	58-64	8-12
Magnum	60-62	12-14
MX	50-54	9-12

Set the mechanization of all indices q x educational legislation , which workers see the teaching biting their dust back q 3 groups based on the amount of h DISTRIBUTION :

-I guru h works have a high degree of pollination in the process (54-62 mg /). This group dusty dressing q iluvchilariga XTZ -80 MTZ - 80, 82, T-28 Arion 630.850 magnum equipment, expulsion, land leveling, Barack meetings q h q hanging iladigan pollen.

Consolidation of Group H level of dust in the process of training (on average 30-38 mg /). H h q iluvchilariga swallowest hanging in the dust of this team, a vot za cotton q between the number of XTZ -80.85 MTZ - 80, T-28 tractors treatment h b hanging teaching hitting the dust.

- Group III level is low (20-25

mg/ h). This group h h q hanging dust iluvchilariga tra nsport acting McCain IFAS T -40,

MX, Mac sum , Belarus 12-21, TTP -80-10, MTZ -52 tractors .

See the machine worker training rinlari dust d' drug business days of training zgaruvchan s curriculum is located. H wind machinery curriculum vitae q Throne actions a low level of wind dust in the process of training Direction b academic focus arakatlanganda mi h q a couple of times, but q high b academic links. So with a q number of machine learning rinlariga b die dust mi q handled indices q x curriculum types of legislation , and so the weather or the orange level Ingarden Bo orange li q is the [3,11 , 13 , 2, 4].

Yu q oridagilaridan conclusion q rights can q rural q x teaching ag legislation rotexnikasida pieces of the old guard (T-28, MTZ - 80 MTZ - 85) to use the equipment, machine as a result of employee learning rinlarida dust s educational offering their pathological processes in the body, occupational diseases, personally came to me q b caused by the work of teaching may include [6 , 9 , 12 , 26]. Change indices q x teaching staff of the legislation so the orange disclosure during the year can be a mystery. Change the workers breathe a paradigm or q ali, bronchial inflammation ,

pnevmoko nioz see the disease you can earn. Q rural q x educational legislation or land transfers , as they g a process , learning Plants Collect the remains of the body of the field workers in the process of learning the right plant pollen secret. See the agriculture production staff of farming on the basis of that b earn teaching hitting the dust protection h h q rights required him a crucial role.

See the farming of agricultural production mechanization , automation method , which resonates with the introduction of training for workers erect dust gone Doris amaytirishning the basis of the e institution. Tractors booths Germ e equinox 'minlash, where hi Moya fi l tracks or drawing h h air and Avon do you see the mechanisms of training could maintain equipment, booths, dust mi q reducing medicine. Yu q high -pollination working conditions of workers in special clothing and breathing a ' personal Zola h protected with the tools to ensure he q high efficiency. Means of personal protection against dust, respiratory : Lepestok -200, Lepestok 40, Lepestok - 5, F - Set 62, F-46AS, U-2K, Astra 2 enters .

Pnevmoko niozlarning body q workers in the prevention of resistance power is quite separate from Ida a h crucial. Q such measures in a number of body ul trabinafsha rays ka t h a role. He trabinafsha rays training pkada sclerotic processes, b teaching imposition of slowing down. This is a q number of breaths a ' boards q dispute ing a submission q rights pnevmak o help reduce niozlarni. See the workers o q TB few of the rich - the hunt q at ma h ranges (the same q sa , metioninga rich) to ensure pnevmokon iozlarning Committee for the Prevention of h im a crucial role. Agricultural machinery , etc. Movement of workers in the process of learning rinlarida high q in s curriculum is located. See the noise of machinery in train h q rights the power of the engine, the level of work o orange serious or light image G is.

Agricultural machinery work s training sensation that you want to see come nests in the winter q Arab mechanical and aerodynamic b die. Mechanical shovel nests vehicles , etc. See the action , the names of the parts due to a technical malfunction of one of a training rilishidan h b hanging on training annually. See the aerodynamic noise of nests dv i work Gately (or q il orange light valve, comes to work) b in the process of training annually. See the cockpit equipment show in 2 years teaching l metal l konstruk c iyalar and h weather or q ali. Cockpit equipment and training to train some hw am show n h h q enforcement source b may include the training . See the booths names in show hw n h h q hanging meetings makes q See the following : - the ceiling , or a wall , side walls , front wall , and a poly [5 , 8 , 12 , 14]. See the equipment since the engine noise innings highways ja monuments in secret. See the associated equipment cabin urtim high q innings indices of agricultural equipment models directly linked to the orange li q is (5 table).

5 - table .

The level of noise energy in the cabins of different models of equipment

equipment models	Noise energy level dB
MTZ -80	100-120
MTZ- 82	103-140
T-28	95-150

ARION -630	80-95
ARION -850	85-92
MAGNUM	95-100
MX	85-95

Yu q oridagi K curriculum rhinitis shows that workers in educational settings, see the audience sensation in the energy level of engines and to improve the technical level of the cockpit. X teaching economic machinery booths, high q intensity innig worker training rinlarida see the email, saying the noise level in the sanitary me tested -0031-94 number of warrants h i M assessed on the basis of one by name.

X academic rankings technique to reduce the level of noise on the implementation of the irish, techniques and q aruvchilari body of their negative correlation fell to the mystery of the efforts of the foundation. Optimal display of agricultural machinery nstruksiya q order to reduce the level of noise factor. Vehicles with engines of booths training between the rubber q MTP training. Adjustment help reduce the level of noise [2, 4, 5, 8]. As well as equipment, engines and konsturuk c iyalarini technical prophylactic miRNA, which requires q Names educational z and q during lubricants help to reduce the noise. Agricultural machinery, etc. aydovchilarini once a year of therapy, Mike T o pathologist, consumables mutaxa s foggy guide AGI participation of medical care medical staff training rikdan training class training required h presented.

Rural agricultural farming machine body vibration (vibration) in the process of a mystery. Traktoristlar body vibration training tir orange, chief among them q market mechanisms (the pedal lever, the steering wheel) or q ali 'mystery [6, 11, 16, 19]. The names of engines and machinery arakatlanuvchi h q q l o q agricultural machines, vibration, etc. q hanging influenza. Technology, etc. arakatlanuvchi see the names of the low-frequency vibration to train and h q influenza. Technology increases the speed and the roles of reason to note the level of vibration table Sligo s training annually [4, 8]. Rural agricultural machinery is in the process of working body of low-frequency (2-5 Hz), and the q high-frequency (60-125 Hz) fluctuations secret [18, 21]. So with a q a number of indices of agricultural machinery q see the total issued aruvchilari body vibrations with a number of additional convene q See the administrative mechanisms or Ali fluctuations h am sincerely [22, 26]. Agricultural machinery, etc. Movement, parts h becoming Movement, b teaching and varnish hitting the fluctuations in the republic of the workers 'training rinlarida general and local vibrations and sanitary me statute, San Chi No. 0063-96 M m e ' procedure should not exceed. (Tables 6 - 7).

6 - table.

**X teaching of economic common resonance technique sanitary me yor
k curriculum rsatgichlari (0063-96 San Ki- M).**

Study rtageometrik octave training thematic frequency. Gts.	Octave academic direction of ringing speed k curriculum rsatgichi			
	m /		db	
1.0	1.12	0.4	71	62
2.0	0.8	0.4	68	62
4.0	0.56	0.8	65	68
8.0	0.56	1.6	65	74
16.0	1.12	3.15	71	80
31.5	2.24	6.3	77	86
63	4.5	12.50	83	92
And esvivalent want to fix the corrected K curriculum rsatgich and their level	0.56	0.4	65	62

Table 7

Local resonance sanitary me and tested me yorlashtirish parameters (0063-96 S A N Ki- M)

Study rtageometrik octave frequency of training horseshoes . Gts.	Fixed rate of speed and vibration			
	Vibration acceleration		Vibration speed	
	m /	DB	m / s -	DB
8	1.1	70	2.0	112
16	1.4	73	1.4	109
31.5	2.7	79	1.4	109

63	5.4	85	1.4	109
125	10.7	91	1.4	109
250	21.3	97	1.4	109
500	42.5	103	1.4	109
1000	85	109	1.4	109
Corrected and corrected equivalent curriculum and their level	2.0	76	2.0	112

Today, seats or among q Ali reduce vibrations ma q in order SSBT standard. " Ringing safety requirements, general -12,1,012 -90- number of state standards adopted q q researched. The government invented a new standard q adopted a nap for equipment q q researched. This is a new state standard konstruk ts sett , etc. and low vibration protection gies Department will mainly h . Tractor you have vibrations , etc. imoyalashning a variety of learning with their physical h with the action q gain , hot q special clothing in order to ensure business and leisure t fertilizer and organization of settings.

Conclusion

Based on the above, etc. case of agricultural workers to ease the work , they required health h enforcement and agriculture in the physical environment (dust), chemicals (pesticides, mineral fertilizers) and biological (bacteria, viruses) to prevent pollution factors s Anita - hygienic measures It is very important to the development and the basis of all of the following: .

The agricultural machinery of the Republic of Uzbekistan lasts all year round (on hot summer days and cold winter days). Therefore, the protection of workers' health is the most basic protection against adverse microclimate . It is very important to organize work and rest wisely to protect the body of workers on hot days of the year (summer months) . This mode of operation is carried out during the hours when the air temperature is reduced by solar radiation. In our republic, working hours should begin at ^{6:00} am. Rest in the hottest hours of the day (12-16⁰⁰), do not work, and during these hours it is advisable to rest in cool rooms, bathe, take a shower, wipe with a wet towel . In protection from heat , it is important to provide clothing with a head that is well ventilated and moisture permeable (made of cotton fabric). It is necessary to work in a hat (hat) to protect the head. It is important to organize the drinking routine wisely (quality drinking water and boiling tea) and use tinctures with various herbs to protect against high temperatures .

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