

## THE IMPORTANCE OF HYDROPONICAL GROWING BARLEY GRAIN IN FEEDING PREGNANT SHEEP

**Odilbek Bahodirovich Fayzullaev\***; **Ekin Suynovich Shaptakov\*\***

\*Independent Researcher,  
Samarkand State University of Veterinary Medicine,  
Samarkand, UZBEKISTAN  
Email id: fayzullayevodilbek@mail.ru

\*\*Scientific Adviser,  
Samarkand State University of Veterinary Medicine,  
Samarkand, UZBEKISTAN

**DOI: 10.5958/2278-4853.2022.00096.9**

---

### ABSTRACT

*In order to study the live weight of lambs obtained from hydroponically grown barley grass in the 2nd stage of pregnancy of local sheep, experiments were conducted on the farm "Yusuf Imomtepa yerlari" in Nurabad district of Samarkand region. It is necessary to organize a full-fledged feeding of sheep. The last 2 months of the breeding season for local sheep are January-February. In winter, pasture yields are low, in the second period of sheep breeding, metabolism is 15-20%, energy requirements are 30-40%, and the demand for vitamins and Ca, P is doubled. One kg of barley grain is grown for 5-7 days and yields an average of 6-8 kg of green grass. Hydroponics is characterized by high digestibility of foods rich in carbohydrates and vitamins.*

**KEYWORDS:** *Pasture, Yield, Weather, Product, Wool, Meat, Weight, Milk Yield, Udder.*

---

### REFERENCES

1. Resolution of the President of the Republic of Uzbekistan No. PQ120 of 08.02.2022 on approval of the Program for the development of the livestock sector and its branches in the Republic of Uzbekistan for 2022-2026.
2. Decree of the President of the Republic of Uzbekistan, PF-60 dated 28.01.2022 on the Development Strategy of the new Uzbekistan for 2022-2026.
3. "Norms and rations for feeding livestock" A.P.Kalashnikov 1988, pages 157-185.
4. "Pasture studies" M.Makhmudov., K.Khaydarov., 2010, pages 21-38.
5. "Ovtsevodstva" A.I.Nikolaev., 1990 y. Pages 45-51.
6. O.A.Makhmudov, N.T.Urmonov "The role of innovative technologies in strengthening the fodder base" Scientific electronic journal "Economy and Innovative Technologies". № 1, January-February, 2021.

7. Sh.S.Djuraev., N. Yu. Sharibaev., M. Ismanov., B. Makhmudov., F.Khudayberdiev., R.Sharibaev. "Technology of preparation of natural fodder by hydroponic method" Universum: chemistry and biology. Moscow 2020 August. Release: 8 (74). Chast 1. 32-35.