

Journal of Sugar Beet

Scientific

P-ISSN 1735-0670
E-ISSN 2588-6010

Vol: 40

No: 2

2025

Content

- Evaluation of quantitative and qualitative yield, bolting rate and Cercospora leaf spot disease severity of different sugar beet genotypes in autumn cultivation** 149
Saeed Sadeghzadeh Hemayati, Mohsen Bazrafshan, Mohammad Saeed Hassanvandi, Ali Saremirad
- Simulating the effect of climate change on sugar beet yield, water productivity and growing period in Qazvin using the AquaCrop model** 165
Ghasem Marei, Aslan Egdernezhad, NiazAli Ebrahimipak
- The effect of silicon nutrition of sugar beet (*Beta vulgaris* L.) transplant on its post-transplant seedling tolerance to stress caused by foramsulfuron drift** 185
Akbar Aliverdi, Hamed Mansouri
- Investigation of pest population dynamics and infestation index in sugar beet during the early growing season under direct seeding and transplanting seedling cultivation** 199
Mohammadjavad Ardeh, Somaye Allahvaisi, Maryam Forouzan, Mohammad Taghi Tohidi, Valiallah Yousefabadi, Heydar Azizi
- Effect of three different roughages additives on the silage characteristics of fodder beet (*Beta vulgaris* L.)** 211
Alireza Chegeni, Mehdi Sadeghi-shoe, Behrouz Yarahmadi, Alireza Aghashahi
- Modeling the relationship of molasses-forming mineral elements on autumn sown sugar beet (*Beta vulgaris*) using Machine Learning method in Iran** 225
Sepinood Seyyed Alizadeh Ganji, Nargess Mooraki, Masoud Honarvar, Parvin Azhdari
- Prediction and visualization of sugar content distribution in sugar beet using hyperspectral imaging** 237
Mohsen Mahdiani, Mehdi Khojastehpour, Mahmood Reza Golzarian
- Investigating the efficiency and energy consumption in sugar beet production** 251
Hamid Mohammadi, Alireza Sargazi, Elahe Ahani, Mohammadjavad Mehdizadeh rayeni
- Obstacles to sugar beet cultivation and production: a case study of Kiyar county in Chaharmahal Bakhtiari province** 269
Ashraf Aghababapoor Dehkordi, Saed Davoodinia

Short Paper

- Study the effects of planting date on quantitative and qualitative performance of autumn sugar beet varieties in the Gonbad Kavus region, Iran** 285
Saeed Yarahmadi, Alireza Saberi, Mostafa Hosseinpour, Daryush Taleghani, Seyed Mohammad Alavi Siney, Atena Biari

Journal of Sugar Beet

Scientific- Research



Published by:
Sugar Beet Seed Institute (SBSI)

Vol. 40 No. 2 2025

Issues per year: 2

Managing Editor:

D. Taleghani
Director General (SBSI)

Editor-in-Chief:

R. Mohammadian

Internal Manager:

R. Aghazadeh

English editor:

P. Fasahat

Literary editor:

R. Aghazadeh

Technical editor:

A. Sarami Rad, R. Mohammadian

Address:

Sugar Beet Seed Institute, P.O. Box

31585- 4114, Karaj, Iran

Tel Fax: (+98) 2632756326

E- mail:

jsb.sbsi@areeo.ac.ir
sugarbeet.journal@gmail.com

Website:

<http://jsb.areeo.ac.ir>

Editorial Board:

R. Choukan, Professor, Seed and Plant Improvement Institute, Karaj, Iran

J. Gohari, Associate Professor, Sugar Beet Seed Institute, Karaj, Iran

S.B. Mahmoudi, Associate Professor, Sugar Beet Seed Institute, Karaj, Iran

M. Mesbah, Professor, Seed and Plant Certification Institute, Karaj, Iran

M. Moghadam vahed, Professor, Tabriz University, Tabriz, Iran

A. Rajabi, Professor, Sugar Beet Seed Institute, Karaj, Iran

S. Y. Sadeghian Motahar, Professor, Seed and Plant Certification Institute, Karaj, Iran

E. Saleh, Associate Professor, Tehran University, Karaj, Iran

D. Taleghani, Associate Professor, Sugar Beet Seed Institute, Karaj, Iran

A. A. Zali, Professor, Tehran University, Karaj, Iran

Reviewers of this issue:

M Aghaezadeh, M Ajdarirad, B Babaee, M Bazrafshan, N papi, A Tafteh, H Hamze, A Razini, A Rajabi, J Rezaei, M Rafati, S zare, S Sepehri Sadeghian, A sheikhi garjan, SY Sadeghaian Motahar, A Saremirad, I Saleh, D Taleghani, K Alamisaieid, M Abdollahian Noghabi, H Abdollahi, H Alipour, H Fazaeli, JGohari, R Mohammadian, H Mansouri, M NateqGolestan, A neamati, H Najafi, S Yarahmadi, VA Yousefabadi.

Indexing:

www.ISC.gov.ir ; www.cabi.org ; www.cabi.org/publishing-products/online-information-resources/crop-science-database ; <https://doaj.org> ; <https://www.linkedin.com/in/sugar-beet-61bab8236/>; <https://scholar.google.com/scholar> ; <https://independent.academia.edu/sugarbeetjournal>; <https://www.researchbib.com> ; www.ricest.ac.ir ; www.sid.ir; www.magiran.com; <http://evaljournals.areeo.ac.ir/>