



## ZIBA

### Resistant to Rhizomania and Rhizoctonia Root Rot



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** High





## YALDA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** : Medium
- ❖ **White Sugar Yield:** High





SBSI

## DONYA

### Resistant to Rhizomania and Rhizoctonia Root Rot



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** High





## ROBINA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** High





## HOSNA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** High





SBSI

## HOMA

### Tolerant to Bolting and resistant to Cercospora Leaf Spot



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Autumn
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** High





## TARA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** High





## NIKA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** High





## MOTAHAR

### Resistant to Rhizomania



- ❖ **Germity:** Multigerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** High





## KIMIA

### Resistant to Rhizomania



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** High





## ASIA

### Resistant to Rhizomania and Root-Knot Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** Medium - High





# SHARIF

## Tolerant to Bolting



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Triploid
- ❖ **Proper sowing time:** Autumn and Spring
- ❖ **Proper growing areas:** Tropical and Temperate
- ❖ **Root yield:** Medium - High
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** High





## ARTA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** High





## DENA (SBSI 045)

### Resistant to Rhizomania and Rhizoctonia Root Rot



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
- ❖ **Root yield:** High
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** High





SINA (SBSI 049)

## Resistant to Rhizomania and Rhizoctonia Root Rot



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** Medium





## EKBATAN

### Resistant to Rhizoctonia Root Rot and Tolerant to Rhizomania



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** High





## ARYA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** Medium
- ❖ **Sugar content:** High
- ❖ **White Sugar Yield:** Medium - High





## SHOKOOFA

### Resistant to Rhizomania and Cyst Nematode



- ❖ **Germity:** Monogerm
- ❖ **Ploidy:** Diploid
  
- ❖ **Proper sowing time:** Spring
- ❖ **Proper growing areas:** Temperate
  
- ❖ **Root yield:** High
- ❖ **Sugar content:** Medium
- ❖ **White Sugar Yield:** Medium - High





## **Introduction**

The Islamic Republic of Iran is a large country with an area of more than 164 million hectares. Its elevation ranges from -25 to 5600 m and its temperature from -30 to 50 °C. Two sugar crops, sugar beet and sugarcane, are grown in Iran for sugar production. The total annual sugar production of the country amounts to 1.5 – 2.0 million tons, 60% of which is obtained from sugar beet and the rest from sugarcane. The average annual sugar beet production area is approximately 100,000 - 120,000 hectares.

## **Sugar Beet Seed Institute (SBSI) at a glance**

In 1940, Sugar Beet Seed Agency was established which was then grown to Sugar Beet Seed Institute (SBSI) in 1988. The headquarter is located in Karaj city, 35 km west to Tehran. The institute consists of 6 research departments and 8 laboratories and supervises 13 regional stations located in the main beet production areas across the country.

With over 70 years of experience in sugar beet breeding and development of improved varieties, SBSI is a leading research centre in the region. A wide range of facilities and seed production areas has put the institute on top of the seed producing companies in the Middle East so that it has capability for supplying the seeds of different improved varieties with competitive prices in as much quantity as needed. All the varieties developed by SBSI are listed in OECD seed scheme. This has made it possible to export the seeds to other countries.

SBSI has developed many monogerm and multigerm improved varieties for both spring and autumn sowing seasons. Among the varieties are some suitable for normal conditions and some for disease-infected areas. The specifications of a few selected varieties are as follows:

**Sugar Beet Seed Institute**  
**Tel: +98 26 32702611 Karaj, IRAN**  
**<https://sbsi.areeo.ac.i> [info\\_sbsi@areeo.ac.ir](mailto:info_sbsi@areeo.ac.ir)**



# Sugar Beet Seed Institute



Sugar Beet Varieties Guide