



hektas
Seed



CATALOGUE OF
SEED
VARIETIES





HEKTAŞ, a leading company in the agricultural sector and a subsidiary of OYAK Chemistry Group, strengthened its presence in the seed industry by acquiring Akça Seed in 2019. In 2020, the company's name was officially changed to Areo Seed. As of 2024, Areo Seed continues its operations under the brand HEKTAŞ Seed, aiming to build a sustainable future upon its strong foundation and evolve into a global player.

National Agriculture, Independent Economy

Based on the words of the Great Leader Gazi Mustafa Kemal Atatürk, "The basis of the national economy is agriculture.", we are working for the present and future of our country in the agricultural sector, which is vital for economic independence. With our motto of domestic seed, domestic R&D, we always aim to offer the best for independent Turkish Agriculture and economy.

HEKTAŞ Seed/Seed Technologies Center operates with "Biotechnology and Tissue Culture Laboratories" structured to provide scientific and technological support to plant breeding processes. The Seed Technologies Center works in an integrated manner with the breeding department in order to accelerate the classical breeding studies carried out in vegetable and industrial plant groups.

The biotechnology laboratory enables the identification of genetic diversity through marker-assisted selection (MAS) techniques and the early selection of superior plant lines. Thanks to these DNA-based molecular approaches, classical breeding processes are becoming more efficient in terms of both time and resources.

Within the scope of the Tissue Culture Laboratory, modern tissue culture methods such as anther culture, ovulary culture, irradiated pollen techniques and embryo rescue, which play an important role in obtaining pure lines from plants quickly, are used. These techniques enable homozygous pure lines to be obtained from plants in a short period of time, significantly shortening the line purification time, which is the most time-consuming step in classical breeding.



In addition, CRISPR/Cas-based gene regulation studies are also carried out within the Seed Technologies Center. With this innovative biotechnological method, it is aimed to develop more resistant, productive and high quality varieties by making precise arrangements on gene regions that affect the agronomic performance of plants.

Another component that provides support for breeding activities is the conditioning chambers in the Seed Technologies Center, which enable rapid breeding. In units with these controlled environmental conditions, temperature, humidity and CO₂ levels are set at optimum levels, making it possible to achieve multiple generations throughout the year. Thus, breeding cycles in vegetables and industrial plants can be accelerated and registration processes of new varieties can be completed in a shorter time.

HEKTAŞ Seed has R&D projects in vegetable and industrial plant groups, carried out collectively by the Seed Technologies Center and breeding departments.

PRODUCTS THAT MAKE A DIFFERENCE

As its ultimate goal, HEKTAŞ Seed, in its breeding activities, aims to improve the criteria of taste, scent, and aroma in line with the needs of the increasing global population and the end consumer, to ensure high fruit quality, and for producers, to increase resistance to various plant diseases, to support high yield, and to determine fruit criteria suitable for target market demands. HEKTAŞ Seed continues to make valuable contributions to the agricultural sector for a sustainable and efficient future through the studies carried out in line with these goals.





Tomato

VARIETIES

Tolerans

Cluster Type Tomato





PLANT

- ✓ Strong
- ✓ Early Maturity
- ✓ Short Internodes
- ✓ High Yield Potential
- ✓ Uniform Cluster

FRUIT

- ✓ Attractive Fruit Color and Calyx

SEASON AND CULTIVATION TYPE

- ✓ Spring/Fall
- ✓ Suitable for Soilless Greenhouse

Disease Resistance Guide

HR: ToMV: 0-2 (Tm2²), Va/Vd: 0
IR: TYLCV, Sm (*Stemphylium spp.*)

Otantik

Cluster Type Tomato





PLANT

- ✓ Strong
- ✓ Short internodes
- ✓ High-yield potential
- ✓ Uniform cluster
- ✓ Good cold tolerance

FRUIT

- ✓ Average fruit weight: 150-160 g
- ✓ Attractive fruit color and calyx
- ✓ Uniform fruit size within clusters
- ✓ Regular cluster
- ✓ Long shelf life

SEASON AND CULTIVATION TYPE

- ✓ Spring/Fall
- ✓ Suitable for soilless greenhouse

Disease Resistance Guide

HR: For
IR: TYLCV

Şiir

Pink Tomato





PLANT

- ✓ High adaptability
- ✓ Strong plant and root system

FRUIT

- ✓ 250-300 g fruit weight
- ✓ Pink color
- ✓ Sweet and aromatic
- ✓ Long shelf life and suitable for export

SEASON AND CULTIVATION TYPE

- ✓ Autumn/Spring
- ✓ Greenhouse

Seraphine

Beef Tomato





PLANT

- ✓ Strong
- ✓ High yield potential
- ✓ Early maturity

FRUIT

- ✓ Slightly flattened round shape
- ✓ Deep red color
- ✓ 4-5 fruits per cluster
- ✓ Long shelf life, suitable for export
- ✓ Average fruit weight: 275-280 g

SEASON AND CULTIVATION TYPE

- ✓ Spring
- ✓ Greenhouse

Disease Resistance Guide

HR: For
IR: TYLCV, TSWV: 0

Fiyonk

Cocktail Tomato





PLANT

- ✓ Very Vigorous Plant Structure
- ✓ Early and Highly Productive
- ✓ High Adaptability To Different Growing Condition

FRUIT

- ✓ Oval-Shaped Fruits Weighing 30-40 g
- ✓ Bright, Dark Red Fruits with High Visual Appeal
- ✓ Strong and Thick Calyx Structure
 - ✓ High Tolerance To Cracking
 - ✓ Firm Fruits/Long Shelf Life
- ✓ Suitable for Both Domestic Market and Export
 - ✓ Excellent Taste and Aroma

SEASON AND CULTIVATION TYPE

- ✓ Spring/Autumn/Highland (Greenhouse)

Disease Resistance Guide

HR: Fol:1 (US2), Fol:2 (US3)
IR: TYLCV, Sm (Stemphylium spp.)

Deha

Cocktail Tomato





PLANT

- ✓ Strong plant with short internodes
- ✓ High yield potential
- ✓ Early harvest
- ✓ Uniform cluster

FRUIT

- ✓ Orange, Firm Fruit
- ✓ Attractive Calyx Structure
- ✓ Sweet and aromatic
- ✓ Long Shelf Life

SEASON AND CULTIVATION TYPE

- ✓ Spring
- ✓ Greenhouse
- ✓ Suitable for soilless greenhouse

Dönüş

Cocktail Tomato





PLANT

- ✓ Strong
- ✓ Early Harvest
- ✓ Short Internodes
- ✓ High Yield
- ✓ Uniform Cluster

FRUIT

- ✓ Yellow, Firm Fruit
- ✓ Attractive Calyx Structure
- ✓ Sweet and Aromatic
- ✓ Long Shelf Life

SEASON AND CULTIVATION TYPE

- ✓ Spring
- ✓ Greenhouse
- ✓ Suitable for soilless greenhouse





CUCUMBER VARIETIES

Çoban

Beith Alpha Type Cucumber





PLANT

- ✓ Strong
- ✓ Semi-Multi
- ✓ Short Internodes
- ✓ Narrow Leaf
- ✓ Dark Green Color

FRUIT

- ✓ Dark Green Color
- ✓ High yield potential
- ✓ 18-20 cm Fruit Length
- ✓ High Yield
- ✓ Fruit Quality Suitable for Export

SEASON AND CULTIVATION TYPE

- ✓ Greenhouse
- ✓ Autumn-Highland

Heybet

Beith Alpha Type Cucumber





PLANT

- ✓ Strong
- ✓ Multi
- ✓ Short Internodes
- ✓ Narrow Leaf
- ✓ Dark Green Color

FRUIT

- ✓ Dark Green Color
- ✓ High Yield Potential
- ✓ 16-18 cm Fruit Length
- ✓ High Yield
- ✓ Fruit Quality Suitable for Export

SEASON AND CULTIVATION TYPE

- ✓ Spring
- ✓ Greenhouse

Kuvars

Open Field Cucumber





PLANT

- ✓ Strong
- ✓ Green Leaf Color
- ✓ Medium-Sized Leaf

FRUIT

- ✓ Parthenocarpic
- ✓ Dark Green Color
- ✓ High yield potential
- ✓ Fruit Length: 17-19 cm
- ✓ Spineless, Aromatic and Suitable for Fresh Marketing

SEASON AND CULTIVATION TYPE

- ✓ Spring-Summer
- ✓ Open Field





PEPPER VARIETIES

Klerans

Sivri Type Pepper





PLANT

- ✓ Strong Root and Plant Structure
- ✓ Early Variety with High Yield Potential
- ✓ High Adaptability To Different Climate and Soil Types

FRUIT

- ✓ Fruit Length: 25-30 cm
- ✓ Slim Type, Green, Sweet, and Flavorful Fruits
- ✓ Uniform Fruit Shape and Size
- ✓ Excellent Transportability/Long Shelf Life

SEASON AND CULTIVATION TYPE

- ✓ Spring/Autumn – Greenhouse
- ✓ Open Field

Disease Resistance Guide

HR: PMMoV: 1.2 (L3)

IR: TSWV: 0, MIG: 0 (Me-7 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C))

Ađıt

Sivri Type Pepper





PLANT

- ✓ Strong
- ✓ Early
- ✓ Short Internode
- ✓ High Yield
- ✓ High Hot Performance

FRUIT

- ✓ Fruit Quality Suitable for Export
- ✓ 23-26 cm Fruit Length
- ✓ Spicy, Smooth and Thin Fruit Structure
- ✓ Shiny Dark Green Color
- ✓ Short Harvest Period

SEASON AND CULTIVATION TYPE

- ✓ Spring-Summer
- ✓ Open Field

Disease Resistance Guide

IR: TSWV: 0, MIG: 0 (Me-7 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C)

Esinti

Sivri Type Pepper





PLANT

- ✓ Strong
- ✓ High Adaptability
- ✓ Short Internode
- ✓ High Yield
- ✓ High Hot Performance

FRUIT

- ✓ Fruit Quality Suitable for Export
- ✓ 22-24 cm Fruit Length
- ✓ Smooth, Sweet, Green Fruit
- ✓ Short Harvest Period

SEASON AND CULTIVATION TYPE

- ✓ Spring-Summer
- ✓ Open field

Disease Resistance Guide

HR: PMMoV: 1.2 (L³)

IR: TSWV: 0, MIG: 0 (Me-7 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C))

Parla

Sivri Type Pepper





PLANT

- ✓ Strong
- ✓ Early and Productive
- ✓ High Adaptability

FRUIT

- ✓ Sweet, Thin, High-Quality Green Fruits
- ✓ Fruit Length: 25–30 cm
- ✓ Long Shelf Life

SEASON AND CULTIVATION TYPE

- ✓ Spring-Fall
- ✓ Greenhouse

Disease Resistance Guide

HR: PMMoV: 1.2 (L3)

IR: TSWV: 0, MIG: 0 (Me-7 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C))

Gezgin

Sivri Type Pepper





PLANT

- ✓ Strong and Compact Plant Structure
- ✓ Short Internodes
- ✓ High Yield

FRUIT

- ✓ 18-20 cm Fruit Length
- ✓ Sweet, Smooth and Thick Fruit
- ✓ Shiny Green Color

SEASON AND CULTIVATION TYPE

- ✓ Spring-Summer
- ✓ Open field

Disease Resistance Guide

HR: PMMoV: 1.2 (L³)

IR: TSWV: 0

Krater

Üçburun Type Pepper





PLANT

- ✓ Strong Root and Plant Structure
- ✓ Early Variety with High Yield Potential
- ✓ High Adaptability To Different Climate and Soil Types.

FRUIT

- ✓ Traditional Turkish Breakfast-Type Pepper
- ✓ 14–16 cm Fruit Length
- ✓ Sweet, Glossy Dark-Green, High-Quality Fruits
- ✓ Thin-Skinned Fruit with a Crunchy Texture
- ✓ Excellent Transportability/Long Shelf Life

SEASON AND CULTIVATION TYPE

- ✓ Spring/Autumn-Greenhouse
- ✓ Open Field

Disease Resistance Guide

IR: TSWV: 0, MIG: 0 (Me-1 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C)

Amaç

Dolma Type Pepper





PLANT

- ✓ Strong and Compact
- Plant Structure
- ✓ Short Internodes
- ✓ High Yield
- ✓ High Adaptability

FRUIT

- ✓ Average Fruit Weight 70-75 gr
- ✓ 3-4 Lobed, Regular Fruit Shape
- ✓ Shiny Green Color

SEASON AND CULTIVATION TYPE

- ✓ Spring-Summer
- ✓ Open field

Disease Resistance Guide

HR: PMMoV: 1.2 (L³)

IR: MIG: 0 (Me-1) **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C)

Hera

Dolma Type Pepper





PLANT

- ✓ Strong and Compact
- Plant Structure
- ✓ Short Internodes
- ✓ High Yield

FRUIT

- ✓ Shiny Green Color
- ✓ Thin Shell
- ✓ 3-4 Lobes
- ✓ Fruit Weight: 65-70 g

SEASON AND CULTIVATION TYPE

- ✓ Spring-Summer
- ✓ Open Field

Disease Resistance Guide

HR: PMMoV: 1.2 (L³)

IR: TSWV: 0, MIG: 0 (Me-1 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C))

Üstad

Dolma Type Pepper





PLANT

- ✓ Strong and Compact Plant Structure
- ✓ Short Internodes
- ✓ High Yield

FRUIT

- ✓ Average Fruit Weight 60-65 gr.
- ✓ 3-4 Lobed, Smooth, Medium Thick Shelled Fruit Structure
- ✓ Dark Green Fruit Color 3-4 Lobes

SEASON AND CULTIVATION TYPE

- ✓ Spring-Summer
- ✓ Open field

Disease Resistance Guide

HR: PMMoV: 1.2 (L³)

IR: TSWV: 0, MIG: 0 (Me-1 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C))

Apex

California Wonder Type Pepper





PLANT

- ✓ Strong
- ✓ Good Cold Tolerance
- ✓ High Yield
- ✓ Early maturation

FRUIT

- ✓ 320-330 gr. 3-4 Lobed
- ✓ Fruit Width 8-9 cm, Fruit Length 11-12 cm
- ✓ Fruit Quality Suitable for Export
- ✓ Dark Red Shiny Color
- ✓ Uniform Fruit Size and Shape

SEASON AND CULTIVATION TYPE

- ✓ Greenhouse
- ✓ Long Season Period (Winter/Spring/Summer/Fall)

Disease Resistance Guide

HR: PMMoV: 1.2 (L³)

IR: TSWV: 0, MIG: 0 (Me-1 / **NOT**: Resistance may be adversely affected at high soil temperatures (>28°C)

Belinay



Yellow California Wonder Type Pepper





PLANT

- ✓ Strong Plant Structure and Short Internodes
- ✓ High Fruit Setting, Good Total Yield
 - ✓ Good Side Branching
- ✓ High Adaptation Capability to Climate Changes and Good Cold Tolerance
- ✓ Early Maturing

FRUIT

- ✓ Shiny Yellow Color and Attractive Fruit
- ✓ Fruit Length: 9-10 cm and Width: 8-9 cm, 4 Lobes
- ✓ High Tolerance to Macro and Micro Cracking
- ✓ Suitable for Export
- ✓ Long Shelf Life
- ✓ Uniform Fruit Size and Shape

SEASON AND CULTIVATION TYPE

- ✓ Long Season Period (Winter/Spring/Summer/Fall) and Highland (Summer)
- ✓ Greenhouse

Disease Resistance Guide

HR: PMMoV: 1.2 (L³), PMMoV: 1.2.3 (L⁴)

IR: TSWV: 0, MIG: 0 (Me-1 / **NOTE:** Resistance may be adversely affected at high soil temperatures (>28°C))

Festival

Kapia Type Pepper





PLANT

- ✓ Strong
- ✓ Short internodes
- ✓ High for Performance

FRUIT

- ✓ Shiny Red Color
- ✓ Fruit Length: 18–20 cm
- ✓ Sweet

SEASON AND CULTIVATION TYPE

- ✓ Open Field
- ✓ Spring/Summer

Disease Resistance Guide

IR: TSWV:0

Sereday

Kapia Type Pepper





PLANT

- ✓ Compact and Strong Plant Structure
- ✓ Early and High-Yielding
- ✓ High Tolerance to Climate Fluctuations (Hot and Cold)

FRUIT

- ✓ Fruit Length 18-20 cm, Conical Type
- ✓ Deep Gloosy Red Fruits with High Market Appeal
- ✓ Thick and Firm Flesh With Intense Red Color
 - ✓ Uniform Fruit Shape and Size
- ✓ High Tolerance To Micro and Macro Cracking
- ✓ Suitable for Roasting, Processing, and Fresh Consumption
- ✓ Excellent Transportability/Long Shelf Life

SEASON AND CULTIVATION TYPE

- ✓ Open Field

Disease Resistance Guide

IR: TSWV:0



ROOTSTOCKS

GÜÇHAN

Cucurbit Rootstock



NEW

- ✓ Vigorous root system
- ✓ Suitable for use as a rootstock in watermelon and cucumber production
- ✓ High adaptability to diverse growing conditions
- ✓ Good grafting compatibility
- ✓ High and uniform germination performance







ONION

VARIETIES

Karakaya




Karakaya

SOWING PERIOD

✓ February–March

HARVEST PERIOD

✓ August–September

- 
- A close-up photograph of two large, round, orange-brown onions with a smooth, slightly glossy skin. The onions are positioned in the center of the page, with one in the foreground and another slightly behind it. The background is a soft, out-of-focus light color.
- ✓ Long-day onion
 - ✓ Round shape
 - ✓ Dark brown skin
 - ✓ High yield
 - ✓ High dry matter content
 - ✓ Suitable for long-term storage

Narkaya



SOWING PERIOD

✓ February

HARVEST PERIOD

✓ July- August



- ✓ Intermediate-day onion
- ✓ Round shape
- ✓ Dark red skin color
- ✓ High yield potential
- ✓ Suitable for medium-term storage

Altinkaya



SOWING PERIOD

✓ February–March

HARVEST PERIOD

✓ June–July



- ✓ Early maturing
- ✓ Intermediate-day onion
 - ✓ Round shape
 - ✓ High yield potential
 - ✓ Yellow skin color
- ✓ Suitable for medium-term storage





COTTON VARIETIES

Selçuk Bey

Cotton Seed



Selçuk Bey Cotton Seed



As HEKTAS Seed, we aim to meet the seed needs of both today and future generations, to support innovative and sustainable agricultural practices, and to secure the future of our agriculture with local varieties. In line with this vision, "Selçuk Bey" cotton seed stands out with its high yield and gin efficiency features. Our cotton seed, which adapts perfectly to different climate and soil conditions, enables our producers to achieve high yields.

- ✓ High yield potential in different climates and soil structures
- ✓ Suitable for frequent planting and mechanical harvesting since the cocoon is tied close to the trunk
- ✓ Does not shake during harvest, therefore harvest losses are very low
- ✓ Tolerant to Fusarium spp and Verticillium dahliae Kleb diseases



Hundred Grain Weight	10-11 g.
Fiber Length	30-31 mm
Fiber Strength	33-34 g/tex
Cotton gin performance	%45-47

*The above values may vary in different climates and soil structures.

Volkan

Cotton Seed



Volkan Cotton Seed



As HEKTAŞ Seed, we aim to meet the seed needs of both today and future generations, support innovative and sustainable agricultural practices, and secure the future of our agriculture with local varieties. In line with this vision, "Volkan" cotton seed stands out with its high yield and gin efficiency features. Our cotton seed, which adapts perfectly to different climate and soil conditions, enables our producers to achieve high yields.

- ✓ High yield potential in different climates and soil structures
- ✓ Suitable for late planting, early variety
- ✓ Does not shake during harvest, therefore harvest losses are very low
- ✓ Tolerant to Fusarium spp and Verticillium dahliae Kleb diseases



Hundred Grain Weight	9-10 g.
Fiber Length	30-31 mm
Fiber Strength	32-33 g/tex
Cotton gin performance	%44-45

*The above values may vary in different climates and soil structures.



BARLEY

VARIETIES

BARFIKS

- High yield potential
- Features uniform grain structure
- Tolerant to spike breakage
- Tolerant to diseases and lodging
- Tolerant to cold weather conditions and drought
- Recommended for semi-arid, dryland, and partially irrigated areas with ecological conditions similar to Central Anatolia and the Transitional Zones



Characteristic Features

Growth Habit	Winter Type
Maturity Time	Early Maturing
Plant Height	95-100 cm
Grain Color	White
Spike Type	2-Row and Awned

Quality Traits

Usage Area	Feed (Barley)
Protein %	13.9-14.9
Hectoliter Weight kg/hl	65.9-71.0
Thousand Kernel Weight (g)	38.9-41.2

DISEASE RESISTANCE GUIDE

Species	Pest Code: Races/Strains	Scientific Name	Disease and Pest Name	Resistance Level	Analyzed Locus
TOMATO (<i>Solanum lycopersicum</i>)	TYLCV	Tomato yellow leaf curl virus	Tomato Yellow Leaf Curl Virus	IR*	Ty
	TSWV:0	Tomato spotted wilt virus	Tomato Spotted Wilt Virus	IR*	Sw-5
	Tm:0-2	Tomato mosaic virus	Tomato Mosaic Virus	HR*	Tm2 ²
	Ma/Mi/Mj (MIG):0	<i>Meloidogyne</i> spp.	Root-Knot Nematode	IR*	Mi23
	For	<i>Fusarium oxysporum</i> f. sp. <i>radicis-lycopersici</i>	Fusarium Crown and Root Rot	HR*	Fr1
	Fol:0-1 (EU) Fol:1-2 (US)	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i>	Fusarium Wilt	HR*	I-2
	Fol:0-2 (EU) Fol:1-3 (US)	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i>	Fusarium Wilt	HR*	I-3
	Va/Vd:0	<i>Verticillium</i> spp.	Verticillium Wilt	HR*	Ve-1
	Sl	<i>Stemphylium</i> spp.	Gray Leaf Spot	IR*	Sm
PEPPER (<i>Capsicum annuum</i>)	Ma/Mi/Mj (MIG):0	<i>Meloidogyne</i> spp.	Root-Knot Nematode	IR*	Me-1/Me-7
	PMMoV:1.2.3	Pepper mild mottle virus (Pepper Tobamovirus Group-3)	Pepper Mild Mottle Virus	HR*	L ⁴
	PMMoV:1.2	Pepper mild mottle virus (Pepper Tobamovirus Group-2)	Pepper Mild Mottle Virus	HR*	L ³
	TSWV:0	Tomato spotted wilt virus	Tomato Spotted Wilt	IR*	Tsw
	Pc	<i>Phytophthora capsici</i>	<i>P. capsici</i> Root Rot (PcRR)	IR*	Phyto5.2QTL
CUCUMBER (<i>Cucumis sativus</i>)	ZYMV	Zucchini yellow mosaic virus	Zucchini Yellow Mosaic Virus	IR*	Zym
	CVYV	Cucumber vein yellowing virus	Cucumber Vein Yellowing Virus	IR*	CsCvy-1

***HR (High Resistance):** A plant variety has a high capacity to restrict the growth, development, symptoms and damage caused by the specified pest. HR varieties should not be confused with immune plants.

***IR (Intermediate Resistance):** A plant variety has a moderate capacity to restrict the growth, development, symptoms and damage caused by the specified pest. IR varieties may show more symptoms than HR varieties.

DISCLAIMER: The information and images in this catalog are provided solely for guidance purposes. Variety performance may vary depending on local and seasonal climatic conditions or other factors. The observations made in variety trials do not constitute any guarantee of definitive results. HEKTAŞ TOHUMCULUK SANAYİ VE DIŞ TİCARET ANONİM ŞİRKETİ does not accept any liability arising from the use of this information.

Legal Disclaimer Regarding Seed Sales

HEKTAŞ TOHUMCULUK SANAYİ VE DIŞ TİCARET ANONİM ŞİRKETİ

1. Product Performance and Limitation of Liability

All information provided by HEKTAŞ TOHUMCULUK SANAYİ VE DIŞ TİCARET ANONİM ŞİRKETİ regarding seed varieties and their performance (yield, product quality, and other criteria) is based on research, field trials, and results obtained in our facilities. Seeds are living and biological materials; their ultimate performance (yield, product quality, disease resistance, etc.) is influenced by numerous external factors such as soil structure, climate conditions, agricultural practices, cultivation techniques, and biotic stressors. Therefore, no guarantee is given regarding a specific yield, product quality, or absolute resistance to diseases. HEKTAŞ SEED does not provide any explicit or implicit warranties or assurances regarding the economic return of seed performance.

Germination rates stated on the packaging or shipping documents are based on laboratory tests under controlled conditions. Buyers acknowledge that actual germination rates in the field may vary depending on environmental and agronomic factors. Buyers assume all risks in this regard and are also responsible for ensuring proper storage conditions from the moment of delivery.

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2. Storage and Usage Conditions

Post-delivery, the buyer is responsible for ensuring proper storage and handling conditions. HEKTAŞ SEED is not liable for any germination loss or damage resulting from improper storage, transportation, or handling. Buyers are strongly advised to follow the usage instructions stated on the seed label.

3. Intellectual Property Rights

Purchased seeds are intended strictly for one-time production. Reproduction, resale, or redistribution of the seeds in any form is strictly prohibited and constitutes a violation of intellectual property rights, which may lead to legal action.

4. Compliance with Regulations

The buyer is solely responsible for ensuring that the use of seeds complies with all applicable local and international laws and regulations.

5. Limitation of Liability

To the maximum extent permitted by law, HEKTAŞ SEED shall not be liable for any direct, indirect, incidental, or consequential damages arising from the use of its seeds. HEKTAŞ SEED's total liability shall not, under any circumstances, exceed the total amount paid by the buyer for the seeds in question.

6. Governing Law and Jurisdiction

This disclaimer and any related disputes shall be governed by the laws of the Republic of Turkey, and the courts of Istanbul Anatolian Jurisdiction shall have exclusive authority.

This statement is prepared in accordance with applicable Turkish laws to promote conscious and informed usage by the buyer.

Disease Resistance Descriptions

Resistance codes and definitions are determined by the International Seed Federation (ISF) and are available at: worldseed.org. HEKTAŞ SEED complies with ISF guidelines.

- **Susceptibility (S):** The inability of a plant variety to restrict the growth and/or development of a pathogen or pest, resulting in visible symptoms and/or damage.
 - **Intermediate Resistance (IR):** The ability of a plant variety to moderately restrict the growth, development, or damage of a specified pathogen or pest. IR varieties may show more symptoms than HR varieties.
 - **High Resistance (HR):** The ability of a plant variety to highly restrict the growth and development of a specified pathogen or pest. HR varieties are not immune and may exhibit limited symptoms under heavy pathogen pressure.
- For industry expectations regarding resistance levels under specific pathogen pressure, refer to Euroseeds' Harmonized Resistance Terms: euroseeds.eu/hrt

hektas Seed

HEKTAŞ Tohumculuk Sanayi ve Dış Ticaret Anonim Şirketi
Pınarbaşı Mahallesi, Dumlupınar Bulvarı, No:812
Akdeniz Üniversitesi Kampüsü içi, Konyaaltı/ANTALYA

🌐 hektastohum.com.tr ☎ 0 (242) 227 20 07 ✉ info@hektastohum.com.tr

