



**AtlantaSeed**

By AgroBioSeed



**ENKI IR**

**CONFECTION SUNFLOWER**



## ENKI (IMI)

- **Confection sunflower IMI hybrid.**
- **Herbicide resistance: Imazamox**
- **Primary market: roasting & food industry**
- **Size: XXL; approximately 25 mm in length and 10 mm in width**
- **Color: white striped**
- **Late: 130 days to maturity**

### Specification

1. **Seed count per bag (i.e. one unit):** 80,000 seeds.
2. **Recommended sowing rate:** 35,000 – 40,000 seeds per hectare | Covers 2.0 – 2.3 hectares
3. **Sowing timing:** Soil temperature must exceed 12°C before planting.
4. **Potential yield per hectare:** Genetic yield potential >3t/ha.
5. **Germination rate:** Guaranteed minimum >85%.
6. **Seed treatment:** Seeds are treated with fungicide. Additional treatment against Downey Mildew is recommended.
7. **Applied herbicide technology:** Enki is an IMI hybrid. Normal dosage of imidazolinone-based herbicides can be applied. For example, Pulsar CL40 can be used.
8. **Herbicide recommendation** It is recommended to cultivate between rows. Regular soil-type herbicides commonly used for sunflower fields may be applied. For example, the herbicide Gardoprim Plus Gold is recommended at a dosage of 4.5 L/ha. It should be applied immediately after planting, within three days of sowing. Furthermore, Helianthex could be applied at a dosage of 45ml/ha, after 4th leaf up to the bud formation. For cereal weeds, we recommend Fusilade Forte 150 EC. This herbicide should be used at a dose of 1.0-1.3 L/ha. Apply during the 3rd to 5th leaf stage of weed growth. Mechanical and/or hand cultivation is highly recommended when weeds are aggressive.
9. **Fertilization recommendation:** 250 kg/ha of NPK fertilizer pre-sowing. 100 kg/ha of ammonium nitrate (N) during vegetation period. 50-60 kg/ha of Potassium (K<sub>2</sub>O) during vegetation period. Application of liquid Boron (B) pre-flowering-stage is highly recommended (attention: be careful and precise in dosing as boron toxicity can occur easily).
10. **Fungicide recommendation:** for disease protection, for example mildium, we recommend the fungicide PICTOR SK at a dosage of 600 ml/ha. Apply once at the 2-4 leaf pair stage and again before flowering.
11. **Preferred soil type:** Soil has to be nutritious, firm, and with neutral pH. Seeds and plants need water. Sandy soils require irrigation.
12. **Maturity classification:** Late: 130 days to maturity.
13. **GMO status:** Seeds are NON-GMO
14. **Average plant height:** Without irrigation: 160-170 cm.
15. **Head orientation:** Strongly curved downward on stem.
16. **Lodging resistance:** Good lodging resistance.
17. **Seed retention characteristics (after ripening):** Strong seed retention; seeds do not fall easily.
18. **Broomrape (orobanche) resistance:** Low-medium tolerance to Orobanche. Recommended to be sprayed with imidazolinone-based herbicides (e.g. Pulsar).
19. **Disease resistance:** Relatively tolerant to downey mildew, rust, phomopsis and alternaria.
20. **Tendency for fungal contamination (end-product):** Seed is shiny and clean. No fungus is observed on the surface of seed after harvest.
21. **Packaging type:** Packed in three-layer insulated paper bags branded AtlantaSeed.
22. **Palletized transportation:** Yes, regular European size pallets.
23. **Labelling and certification:** Compliant with EU legislation and standards. Bags are tagged with blue OECD/ISTA certified label. ISTA/OECD quality certificate will be provided. Phytosanitary certification available. Certificate of origin available (Turkey).