

MON87769

MON87769 soybean has been genetically modified by *Agrobacterium tumefaciens*-mediated gene transfer to produce the omega-3-fatty acid stearidonic acid.

Currently there are no approvals for cultivation of MON87769 soybean. However, Monsanto has submitted applications for cultivation in the USA and in Canada. Regulatory submissions for food/feed imports are made in countries that import significant US soybean.

MON87769 soybean is enriched in omega-3-fatty acid and its intended use is the utilisation as a compound of human foods. It can be used for the production of margarine, mayonnaise, shortenings, salad dressings and ready-to-eat foods.

According to Monsanto MON87769 soybean will be a low acreage product. Production is planned in northern US soybean growing regions and will be in an identity preserved manner.

MON87769 soybean has been genetically modified by the insertion of two foreign genes:

- Pj.D6D gene derived from the primrose *Primula juliae*. Pj.D6D codes for a delta-6 desaturase, which transforms certain saturated fatty acids into unsaturated fatty acids.
- Nc.Fad3 gene derived from the mould *Neurospora crassa*. Nc.Fad3 codes for a delta-6 desaturase, which transforms certain saturated fatty acids into unsaturated fatty acids.

authorization status: none

subject to withdrawl and/or bans: none

Genes:

- [Nc.Fad3- gene](#) [1]
- [Pj.D6D- gene](#) [2]

GM Event:

- [MON87769](#) [3]

Traits:

- [composition - fatty acid](#) [4]

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Quellen-URL: <https://www.testbiotech.org/content/mon87769>

Links

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