

Our UK Origins™ Range



Wheatgerm Oil

The Wheat germ is the energy and nutrient store, the oil being rich in Essential Fatty Acids and natural antioxidants. Wheatgerm oil contains the key lipid molecules needed for human nutrition and is also a good source of natural Vitamin E, making it a great skin nourishing ingredient. It is used in Vitamin E creams and dry skin hand and body lotions.



Optimega™ Oat Oil

Extracted from UK grown naked Oats; the golden brown oil has a perfect balance of Essential Fatty Acids, in conjunction with tocopherols and other micronutrients at levels higher than some other similar oils. These nutrients work together to create an extremely effective skin conditioner which has been shown to improve skin barrier function, increase skin smoothness and elasticity. Oat oil has a luxurious skin feel and is an ideal massage oil and base for hand and nail creams.



NorOmega Gold™ - Rapeseed Oil

NorOmega Gold™ Rapeseed is a premium quality pressed and filtered oil, produced in Yorkshire by local growers. It is rich in Oleic Acid and other important skin lipids and is readily absorbed with a very light skin feel, similar in many ways to oils such as Sweet Almond and Olive, which it can easily replace, with the added benefit of being a low cost alternative.



Optimega™ Balance - Germ Oil blend

Optimega™ Balance is a specially formulated blend of Wheatgerm and Oat oils designed to provide optimal skin nutrition at a cost effective price. It has a balanced lipid profile combined with micro nutrients which help maintain healthy skin condition. Optimega™ Balance is readily absorbed whilst providing natural emollience and protection against Trans Epidermal Water Loss. Optimega™ Balance supports improved skin-feel (smoothness) and elasticity whilst aiding skin barrier function.



English Oil blend

The English oil blend is a balanced proprietary formulation of the best oils in our range designed to provide excellent skin feel combined with optimal topical nutrition. The blend uses NorOmega Gold™ as its base and is enriched with the more functional actives found in Blackcurrant, Starflower, Echium, and Oat. We can also modify the blend to suit customer needs and can enrich it with English Essential oils such as lavender and chamomile giving you an excellent natural aromatherapy base.



Northstar Lipids



UK Origins™

A Range of UK grown,
high value, plant oils for
Nutrition and
Personal Care applications





Northstar Lipids is a specialist in the field of functional plant oils. We are proud to offer a fully integrated service, from raw material sourcing and contracted-out production through to support for R&D and marketing to help realise new products, from concepts into commercial reality; in this regard we have a proven track record. Being based in the UK is of great benefit as the British Isles have a long history in the innovation and production of novel oilseed crops. Our rich soil and temperate climate combined with deep agricultural history support the development of many of the high value nutritional and technical oils used in today's formulations. We are passionate supporters of British Agriculture; we see so many benefits of working with local producers including:

- Easier to manage and validate the supply chain, leading to greater product security and consumer confidence.
- Production processes are closer to point of origin, leading to increased product freshness and overall quality and stability.
- Enables us to build up a superior database for our customers to draw on, we know more about every stage of the production process which in turn gives us greater ability to provide technical support to our customers
- Lower Carbon emissions involved in production and shipment, enabling users to reduce carbon footprint of finished products, which is consistent with current thinking.
- Sustainable, environmentally friendly production technologies, equipment and expertise are used; many crops are naturally resistant to pests and require little or no synthetic/chemical treatment.
- Supports the UK farming community through increased income potential and crop diversity.
- **Bee Friendly!** Many crops rely on insect pollination and help local ecosystems by supporting a healthy Bee population; in return we get some of the best honey in the world!



We operate at the hub of the supply chain, contracting with local specialist growers, seed suppliers and processors to secure the best quality material from each harvest. We carry out regular farm visits to check on progress and guarantee to buy everything they produce from the land planted. Most crops are planted in the Spring using specially selected seeds and sowing equipment which optimises planting efficiency and yield per hectare

During the Summer, when the crops reach maturity, we invite customers to visit the farms to discuss the whole process with the farmers and beekeepers. We believe that creating a link between the end user and producer adds significant value to the supply chain and increases customer understanding and confidence in our ability to meet their needs.

Our UK Origins™ Range includes the best and most functional natural oils that Britain can offer; products which are grown and/or processed as close to point of origin as possible and which are rich in the Essential lipids and micronutrients that are vital in dietary and skin nutrition.

The products currently available from our UK Origins range are listed in this leaflet. Please contact us for more detailed information.



Our UK Origins™ Range



Starflower Oil

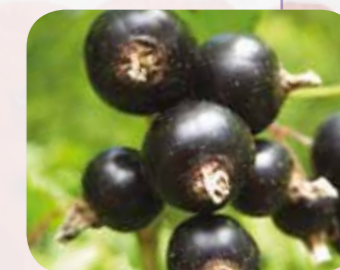
Grown mainly across the eastern coastline of England, and more commonly known as Borage, the seeds from the Starflower plant are the richest natural source of GLA, a fatty acid recognised as a key component in the effective treatment of extreme dry skin conditions such as eczema. Starflower can be used as a more cost effective alternative to Chinese Evening Primrose as the formulation requires a lower content of oil for the same level of GLA activity.

Borage is Bee Friendly! It relies on bees for pollination and in turn is a valuable source of nectar. Borage honey is widely regarded as being of the highest quality in terms of nutritional value and taste!



Blackcurrant Oil

Blackcurrants are a rich natural source of Vitamin C and the south western region of the UK is a key production area. Blackcurrant seeds contain an oil which has a unique and special nutritional profile, ideally suited to dietary and cosmetic applications. It contains two important fatty acids that help regulate inflammatory response and dry skin condition. Blackcurrant oil is highly recommended for use in hand and body creams and, in particular, for acute dry skin conditions.



Echium Oil

Echium is a novel crop grown in areas of Essex and Yorkshire. It is unique in that it contains high levels of SDA, an immediate Omega 3 pre-cursor to EPA, the fatty acid more commonly found in fish oils and which regulates the body's inflammatory response. Echium oil has been shown to reduce skin redness and to have a positive effect on wrinkle reduction, it is especially suited to creams aimed at the after-sun market and for replenishing older and drier skin types.



Camelina Oil

Camelina Sativa is a crop that has been grown across the UK for centuries, for natural ground cover on country estates. The seed oil is rich Omega 3 fatty acids and research has shown that it helps reduce moisture loss (TEWL) and helps protect and nourish the skin. We recommend Camelina oil for hand and face creams and nail and scalp treatments, it's an excellent all round emollient and a useful alternative to other Omega 3 rich oils such as flax.



Crambe Oil

Crambe Abyssinica is a relatively new cosmetic ingredient though is has long been regarded as a natural lubricant for technical applications. The oil has a medium skin feel but has noticeably enhanced slip over some other oils and leaves the skin with a nice sheen. Crambe oil could potentially be used as a natural alternative to synthetic or chemically derived lubricants and is an ideal base oil for oil rich body lotions and massage oils.

