A novel lipid-based nutrient supplement shows promising findings for child growth and development

Good nutrition during the first 1,000 days – between the start of pregnancy and the child’s second birthday – is critical to developing an individual’s cognitive capacity and physical growth.

Over 150 million children under the age of five worldwide suffer from childhood stunting linked to chronic malnutrition.

According to WHO, from six months of age, older infants need nutritious food to complement breastfeeding to support their health.1 However, caregivers living in vulnerable communities in the developing world cannot always provide children with such food.


The Tswaka Nutrition Intervention study²

With the aim of helping to prevent stunting in vulnerable communities, research was carried out by a joint public-private-partnership.

The study monitored the impact of a small-quantity lipid-based nutrient supplement (SQ-LNS), specifically designed to prevent malnutrition in older infants.

The SQ-LNS was given to infants aged from 6 to 12 months of age in an underprivileged community in South Africa.

Acceptance of this supplement by caregivers and their older infants was very high.²

SQ-LNS is a nutrient-dense lipid-based paste, designed as a complementary food supplement, that can be easily added to and mixed into homemade foods.

It is based on essential lipids and proteins, including DHA omega-3 and ARA omega-6 long-chain fatty acids, soy and milk protein, lysine, phytase, lecithin, vitamins and minerals.

The SQ-LNS was given to infants aged from 6 to 12 months of age in an underprivileged community in South Africa.

To find out more about this complementary food supplement and how DSM can work with you to help build brighter futures, contact: nutrition.improvement@dsm.com

Better linear growth (reduced stunting) at 8.8 to 10 months of age.

Better iron status and less iron deficiency anemia. As well as positive advancements in psychomotor development at 12 months of age, an important factor in later performance.

Enhanced omega-3 fatty acids status at 12 months of age, a major component for healthy eye and brain development.

A novel supplement...

SQ-LNS

20g PER DAY

110-120 kilocalories

SQ-LNS

Tswaka means ‘mixing’ in the Setswana language.

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Embedded with the supplement is an educational card about healthy eating.

References


