Key Features

- Fine mesh.
- Softer feel.
- Excellent biological performance against mosquitoes.
- Enhanced knockdown and kill against pyrethroid-resistant mosquitoes.
- Contains the synergist piperonyl butoxide (PBO) on all surfaces.
- Insecticide and synergist incorporated inside fibres.
- Insecticide and synergist migrate to fibre surface continuously over years.
- Re-generation of both active ingredients.
- Unique to market.
- A second generation of the well proven Olyset Net.
- Japanese technology.

Contact Information

Find out more at: www.Olyset.Net

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Olyset® Plus is a durable long-lasting mosquito net with fast action against all mosquitoes and additional efficacy against Pyrethroid-resistant mosquitoes.
Emerging Insecticide Resistance – A Real Threat

Due to the excellent results from using Long Lasting Insecticidal nets (LNs), donors campaigned and advocated for mass bednet distribution throughout Africa and in many other endemic countries. Universal Coverage (80% coverage with LNs of at risk populations) was achieved in many African countries by early 2011. The pressure of using a single class of insecticides, pyrethroids, in all LNs as well as for Indoor Residual Spraying and agriculture, has resulted in insecticide resistance in some parts of the world, and particularly in Africa.

Olyset Plus is the first and only net on the market to incorporate PBO into every fibre and all surfaces of the net, for enhanced knockdown and kill against pyrethroid-resistant mosquitoes.

What is Olyset Plus?

Olyset Plus is a durable polyethylene net containing 2% permethrin combined with 1% of the synergist PBO, which is incorporated in all the fibres on all sides and also on the roof. Using Sumitomo Chemical’s Olyset controlled-release technology, the net fibres have been designed to release the two ingredients at a constant ratio of 2:1, thus ensuring enhanced efficacy against all mosquitoes, including those which are resistant, for the life of the net.

What is Piperonyl Butoxide?

Piperonyl butoxide (PBO) is a synergist which has long been used to improve the performance of pyrethroid insecticides, especially household aerosols. Synergists are chemicals that lack insecticidal activity on their own but enhance the insecticidal performance of other chemicals.

Piperonyl Butoxide Key Points

• Inhibitor of P450 enzymes.
• Enhances insecticide penetration.
• Used in many household aerosols and space spray products.
• Not an insecticide but a synergist.
• Low mammalian toxicity.
• Known and used for >50 years.

Olyset Plus Regeneration

The rate at which permethrin and PBO migrate from the internal reservoir in the fibre to the surface of the net (known as the “bleed rate”) has been adjusted in Olyset Plus to provide rapid regeneration, making the net active again within 1 – 2 days after washing. We believe that in areas where resistant mosquitoes have been found, rapid regeneration after washing, and therefore the provision of an almost continuously available insecticide plus PBO barrier against mosquitoes, is required to maximise the protective effect.