



A Hydro-
ponic Cultiva-
tion bag, commonly
known as a Grow Bag is a

plastic bag filled with a growing medium and used for growing plants. The common growing medium used is based on soilless organic material such as peat, coir, composted green waste, composted bark or composted wood chips, or a mixture of these. This growing system is quite versatile as it allows easy storage in green houses, poly tunnels for mass scale cultivation or even backyard basic cultivation of almost any product. Further it is the preferred medium where easy fertilising and watering can be undertaken with ease and almost zero wastage. Grow bags have proved to be a high yield growing technology that has been followed widely throughout the world.



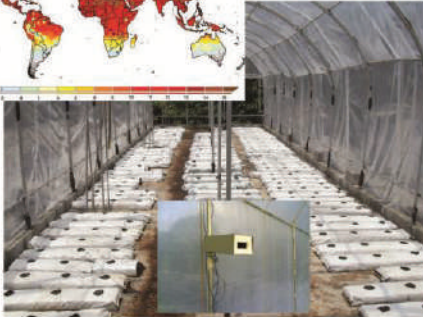
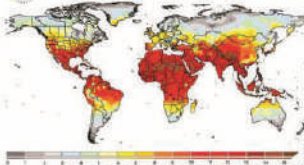
POLYDIME has been associated with the plastics industry since 1998 producing Polythene in roll, bag and pouch form, Alkathene and drip irrigation pipes, multilayer lamination films and pouches. We take pride in being one of the sought after names in the plastics packaging industry in Sri Lanka & Internationally.



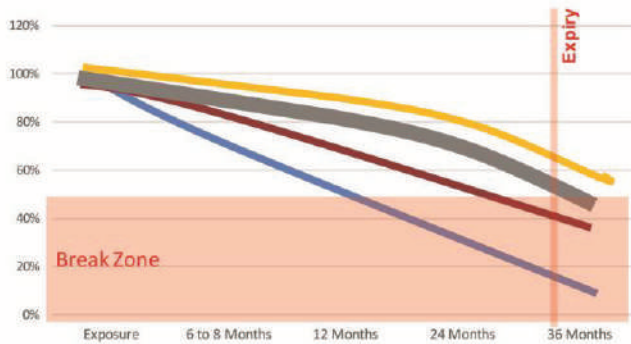
A grow bag in any destination is exposed to serious UV, heat and moisture stress. In regular Polymer matrixes there is a weakening of the Polymer bonds which bring about rapid degradation when exposed to these rigours of the environment. As such it is important that special emphasis is paid towards the right Polymer blend that goes into a grow bag. Shown here is a perfect example of a non UV treated bag vs a fully treated bag.

Innovation Center

Polydime, over the past 15 years have invested in an R&D centre that makes bags in line with actual weathering mimicking a customers exposure zone in a green house. Every single bag that would leave our factory is released based on this data findings backed with research done over a period of 15 years.



Research Promise



Sample References Tested	Exposure	6 to 8 Months	12 Months	24 Months	36 Months
Control Sample	100%	75%	55%	35%	15%
Basic Mix	100%	90%	75%	60%	45%
Approved Mix Supplied	100%	92%	85%	74%	52%
Improved Mix (Cost In-effective)	100%	95%	90%	80%	60%



Internal Studies based on the Methodology adapted by Published study by Kahn & Hameed.

Process

Extrusion



Printing



Bag Making



Quality

Quality is one of our key focusses. Armed with ISO 9001:2008 quality certification, all processes in the factory is documented and governed by a quality culture that is embedded deep in our values.

