

Warranty

Berry BPI Agriculture is committed to providing the highest standard of product and service to our customers. We will continue to invest in the latest technology and use materials best suited to meet the needs of the grower.

Our Quality Policy is to aim to deliver defect free products and services that conform, every time, to the requirements agreed with our customers.

In the event of premature failure due to UV degradation of the film, the following discounts will be given on the purchase of replacement film:

	Film Rating (Seasons)		
	5S	4S	3S
Failure in 1 <sup>st</sup> Season	100%	100%	100%
Failure in 2 <sup>nd</sup> Season	80%	75%	67%
Failure in 3 <sup>rd</sup> Season	60%	50%	33%
Failure in 4 <sup>th</sup> Season	40%	25%	N/A
Failure in 5 <sup>th</sup> Season	20%	N/A	N/A

For the purposes of this warranty, premature UV degradation will be deemed not to have occurred if residual MD elongation > 300% according to test method ISO 527-1.

To register a claim contact the merchant, distributor or tunnel manufacturer from whom the film was purchased. Please have the following information available.

- Product type
- Sheet width
- Sheet length
- Printed date code from sheet
- Date supplied
- Date installed
- Date when problem was noticed

Description of the problem; please provide a sample showing the fault and the printing, or photographs of the print code. If the fault relates to a split in the film then a sample containing the leading edge of the split is requested.

Recommendations and Conditions

Conditions of use may severely affect the lifetime of a Tunnel Film. The following gives recommendations of use, and factors which will limit the life of a Tunnel Film and therefore the extent of our guarantee.

Film Storage

Films should be stored away from heat and light - preferably indoors, in the original wrapping. If outside, cover the rolls with an opaque heat reflecting tarpaulin. Film should be used within 12 months of purchase.

## Installation

Good tunnel design is essential for film life and good performance. Steelwork should be galvanised to a very high standard (e.g. BS 2989 or French Classe C) and in good condition, free from corrosion and rough areas. In addition, when using wires, we recommend that these be plastic coated.

Corrosion of the structure will adversely affect the life of the film. Iron contamination from rusted structures acts as a photo degradation promoter.

The preferred time for cladding is Spring or Autumn, but in any event at a time of day when the temperature is at its highest, with a maximum of 25°C. Care should be taken to avoid abrasion or cuts from stones, sharp objects or the metal structure. Any small cuts or tears in the film should be repaired immediately with a strong adhesive tape. The film should be tensioned sufficiently to avoid flapping in windy conditions, but without causing excessive localised stresses.

## Protection of Films in Use

Experience has shown that a number of factors can severely limit the useful lifetime of a tunnel film.

Overheating the film will accelerate the effect of sunlight on the film and may also in itself cause degradation.

Heaters must be placed so that hot air is directed away from the film.

When disinfecting soil inside a tunnel, the treated soil must be covered with a sheet of polyethylene film for a minimum of three weeks. After the film is removed the tunnel should be thoroughly ventilated.

Avoid excessive use of pesticides, herbicides, fungicides, fertilisers etc. Avoid chemicals coming into direct contact with the film, for example by spray drift. Chemicals containing sulphur or chlorine have been found to be the most harmful in this respect. Agrochemicals can interact with the UV stabilising systems and can deactivate them, with the risk of premature failure.

If the structure meets a high standard (e.g. BS 2989 or French Classe C) then anti-hot spot tape will not be required. If anti-hot spot tape is in use then make sure that tape is in good condition when replacing films. Old tape may have breaks in the foam or in the polyester facing, and this should certainly be removed and replaced. Note that the lifetime of anti-hot spot tape is not likely to be more than ten years. In addition, breakdown of PVC based anti-hot spot tapes can release chlorine into the film and result in premature degradation.

All cases of film degradation must be fully investigated via XRF analysis to ascertain the reason for film failure and BPI will not accept claims for localised degradation.

Expressly excluded from this Warranty are the following:

Degradation caused by chemical contamination. Evidence via XRF analysis of high levels of sulphur (> 1000ppm), chlorine (>150ppm) or iron (>50ppm) will invalidate the warranty.

Physical damage or failure due to severe weather conditions including:

- extreme temperatures
- excessive snow loads
- ice, hail or wind damage

Anti-fog performance or duration of effect.

It is regretted that it is not possible to give compensation for consequential claims.

Customer Signature : .....

Date : .....