


Agriculture



For more than 30 years, Fiberweb specialist agricultural fleece has been improving grower outcomes in more than 40 countries

Crop	Applications				Essential products						Specialist products		
	Open	Plastic tunnel	Micro tunnel	Mulch	Agryl P17	Agryl P19	Agryl P22	Agryl P30	Agryl P60	Novagryl P19	Agryl M	Agryl I	Novagryl S
Tuber Early Potatoes etc. 	✓	✓			✓	✓	✓						
Root & bulb vegetables Raddishes, Carrots, Celeriac etc. 	✓				✓	✓				✓			
Fruit vegetable & soft fruit Strawberries, Gherkins, Peppers etc. 	✓				✓	✓	✓						
		✓			✓	✓						✓	
Leaf & stem vegetable Asparagus, Leek, Lettuce etc. 	✓				✓	✓				✓			
		✓			✓						✓		
Stem crop (Robust) Sweetcorn 	✓									✓			
Brassica crops Cabbages/White Heart, Cauliflowers, Broccoli etc. 	✓				✓	✓	✓					✓	
Leguminous vegetable Beans, Peas 	✓									✓			
Ornamentals Trees, Shrubs & Perinnials, Lawns 	✓				✓	✓		✓	✓	✓			
		✓				✓	✓	✓					✓
Bananas 	✓				✓	✓							
Young plants 		✓		✓	✓	✓					✓	✓	✓

Essential products

AGRYL® P17™ & P19

This benchmark product offers high moisture transmission to support growth. This is matched to air permeability for temperature stability and heat retention to increase root temperatures which drive early maturation of crops. Thicker fibers make the product robust enough to protect from occasional weather extremes.



Main applications	Thermal effect	Performance	Specificity	Appropriate fleece
Open field Under cover		Insect protection. Protection against cold. Preservation of soil structure.	Very good resistance to abrasive crops. Tear resistance in both directions. Very good porosity to air and water.	Agryl P17 17gsm
Open field Under cover		Protection against cold. Preservation of soil structure.	Very good resistance to abrasive crops. Tear resistance in both directions. Good porosity to air and water. Protection against light frost.	Agryl P19 19gsm

AGRYL® P22

A mid to heavy weight general purpose crop cover. The additional weight improves the physical strength and robustness during installation and use. Both thermal insulation and abrasion resistance are also improved, resulting in a higher level of protection for demanding crops in demanding environments.



Main application	Thermal effect	Performance	Specificity	Appropriate fleece
Open field		Protection against cold. Preservation of soil structure.	Very good resistance to abrasive crops. Tear resistance in both direction. Good porosity to air and water. Protection against light frost.	Agryl P22 22gsm

AGRYL® P30

Designed for overwintering and use in extreme climates. P30 offers the increased levels of strength required to reduce the risk of plant breakage due to snow or frost. This denser product helps to reduce wind damage, including branch splitting and dehydration. Managed airflow also creates the micro-climate required to minimise the impact of temperature variation on overwintering crops.



Main applications	Thermal effect	Performance	Specificity	Appropriate fleece
Open field Garden nursery		Protection against cold.	High mechanical resistance. Efficient thermal effect against frost.	Agryl P30 30gsm

AGRYL® P60

Developed for more demanding over-wintering applications with the extra exposure of a vertical installation AGRYL P60 combines heavier weight to create the required thermal effect with the air resistance to maintaining these temperatures.



Main applications	Thermal effect	Performance	Specificity	Appropriate fleece
Open field Garden nursery		Protection against cold.	Very high thermal effect against frost. Dedicated for over wintering crops and nursery applications.	Agryl P60 60gsm

Specific products are required to deliver performance for use in different locations, applications and degrees of exposure. Selection is critical to maximising yield.

Environment Agression: Wind, Hail, Frost	Creates temperature blanket. Enables earlier planting. Extends planting season.
Uniformity and Yield of harvest	Creates microclimates with constant temperatures across fields, reducing variation between plants.
Plant Yield and Precocity	Creates micro climates with elevated temperatures reducing time to harvest and increasing individual plant yields.
Harvest Yield	Reduces loss due to insect and bird damage over the growing season.
Long Term Farm Yield	Preserves soil structure.
Irrigation and Watering	Reduces irrigation levels and water consumption.

NOVAGRYL® P19

NOVAGRYL offers a unique structure particularly suited to farmers of high growth crops. Designed with excellent extensibility without the loss of the other general properties, it expands in response to plant growth to retain integrity, acts as a barrier to insects and provide thermal protection.



Main application	Thermal effect	Performance	Specificity	Appropriate fleece
Open field		Protection against cold. Preservation of soil structure.	Uniformity. Incomparable extension for crops with high levels of vegetative development. Good retention of humidity.	Novagryl P19 19gsm

Specialist products

AGRYL® M

This black heavy weight specialist product is formulated to improve soil temperatures and suppress weed growth as a mulching layer. Unlike a plastic film, its high resistance makes it last longer and with good permeability ensures water and air reach the plant base and maintain root humidity whilst avoiding surface water accumulation helping clean effective harvests.



Main applications	Thermal effect	Performance	Specificity	Appropriate fleece
Open field Under Cover		Preservation of soil structure.	Water and air porosity compare to PE film. Reduces weed growth.	Agryl M

AGRYL® I

AGRYL I is a light weight and resistant fleece. Its unique perforated structure creates a low thermal effect specifically designed to protect your crops against insects whilst reducing heat build up. It is an effective barrier, an alternative to any other more expensive insect-fighting techniques.



Main applications	Thermal effect	Performance	Specificity	Appropriate fleece
Open field Under cover		Insect protection.	Low thermal effect. Effective physical barrier against insect.	Agryl I 12gsm

NOVAGRYL® S

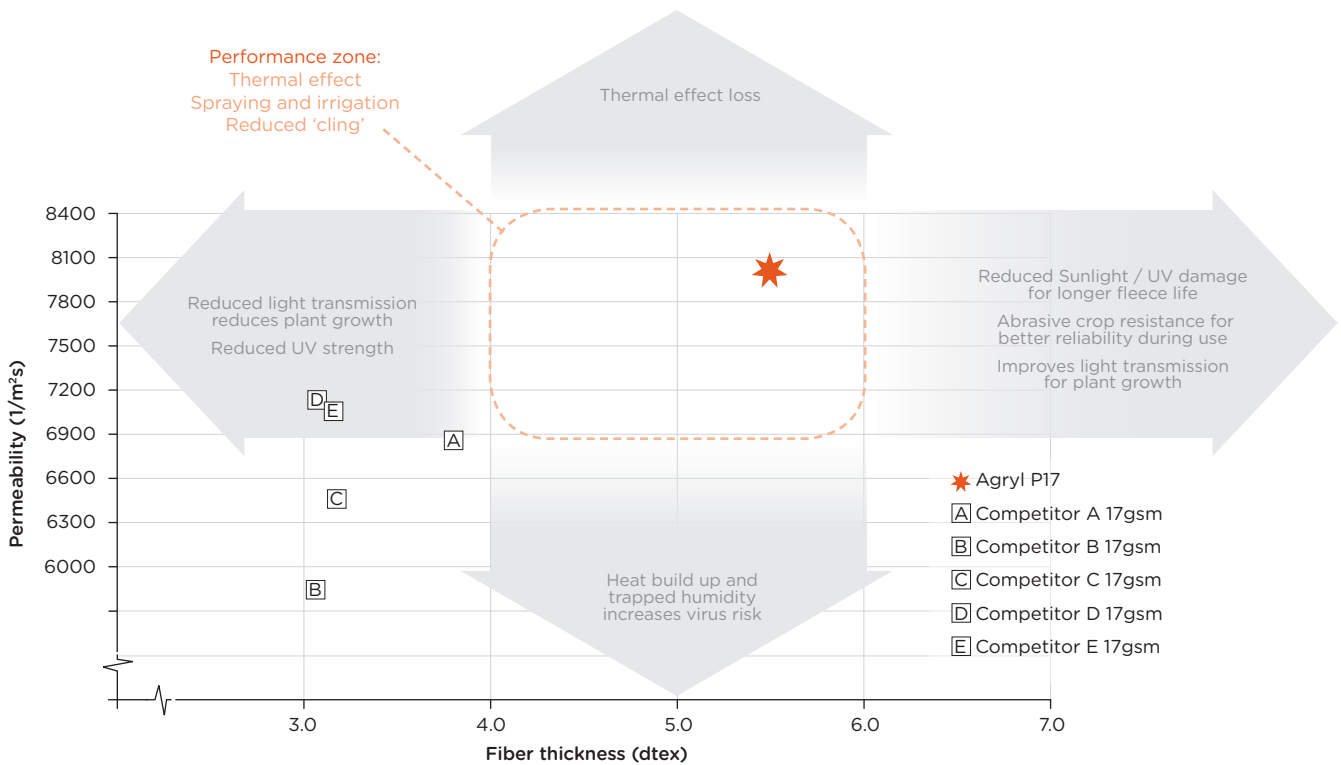
NOVAGRYL S (15gsm) Specifically designed for use in transporting young plants on trolleys in nursery environments. It is a high extensibility fleece applied to replace stretch wrapping. It maintains the moisture in each plant during transportation. Its nonwoven structure allows respiration, maintaining plant health, and provides some thermal protection from changes in climate. One of its main advantages compared to stretchable films is that trolleys don't stick together during transport.



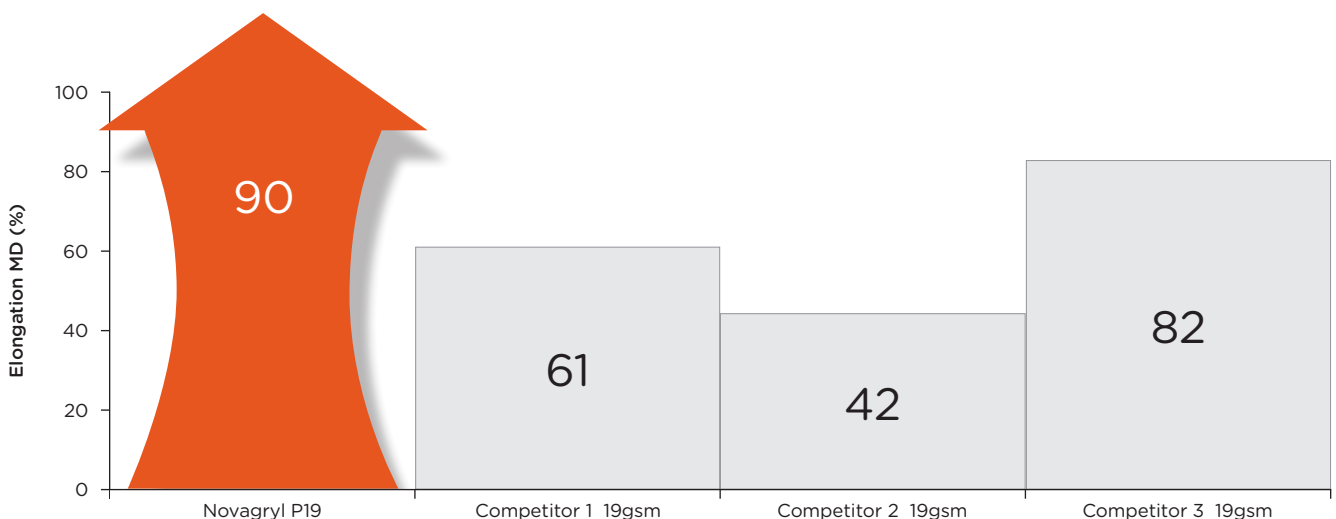
Main application	Thermal effect	Performance	Specificity	Appropriate fleece
Nursery		Temperature reduction and stability. Retention of plant trays/ safe loading.	High porosity reduces thermal build up and increases air renewal. Elongation enables robust wrapping.	Novagryl S

Product Performance

Agryl performance is designed specifically for Agriculture applications. It contains thick filaments that give the improved physical properties bringing strength and robustness. At the same time the open structure creates a highly permeable cover that allows high air and moisture flow.



Novagryl is one of the most extendible crop covers available in the agricultural market. As the plant grows it can stretch the Novagryl, reducing the need for farmers to handle and move the fleece during the season. This saves time and reduces the risk of damage to the crops and the fleece.



Service

Our Agriculture business unit is totally focused on meeting the needs of the farming industry. Tight deadlines, unique products and a deep understanding of applications make Agryl and Novagryl trusted products for growers in 40 countries.



Our team of professionals includes agronomic engineers, market experts and a customer service team with over 31 years of experience in supporting farmers and distributors.

Fiberweb is focused on the quality of Agryl and Novagryl and ensures this by manufacturing entirely at our in-house facilities.

Through state of the art welding, Agryl and Novagryl are available in a wide range of custom and standard sized rolls up to 28m wide. For easier installation and removal, Agryl and Novagryl in widths over 10.50m, have reinforced edges 30cm wide and double the thickness.

Standard sizes allow selection from stock, to meet the delivery needs of changing weather conditions. When longer term planning is more feasible, custom widths are possible. We are committed to supplying growers 12 months of the year. Fiberweb holds stock to satisfy your demand, which enables us to respond quickly on essential products with rapid collection or delivery.

Your local distributor:

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For Landscape & Geosynthetic Engineering

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A leader in material technology application

By intelligently applying our high-performance fibre technology, we are helping industry solve its most complex material challenges, and providing our customers with the answers they will need tomorrow.

fiberweb

THE NEXT ANSWER

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