

CO-Extruded multi perforated mulch films





About us

As the problem of inefficient food production is increasingly evident and the demand is increasing, solving this burning problem is crucial to the future of us all.

The vision of Gerovit is based on this idea. With direct contact with the producers, we constantly listen to their needs and problems in the processes of production, protection, and storage of food.

Our team is made up of people whose joint passion for solving this problem with expertise and experience, as well as the latest generation of equipment, guarantee an effective overcoming of every present and future problem.

With us, the future is safe.



Company in details

The production facilities of the company are located in the city of Arandjelovac, SERBIA. We are a 100+ employees company with a production facility present in Serbia from where we cover markets of EU, Russia, North Africa, South Africa, and the Middle East with a tendency towards further growth of the market. We are focused on fast production and fast logistic.

In 2019 our company get certificated at TÜV SÜD for Quality Management System (QMS) ISO 9001:2015 environmental management system (EMS) ISO 14001:2015 and Occupational Health and Safety Management Systems (OHS) ISO 45001:2018

Using machines and tools from known manufacturers, such as Reifenhäuser, T.H.E. (Thomas Machines), Arburg, Macchi, Karl Mayer, NGR and others provides the latest processing technology.

For maximum satisfaction of customer needs, the Company is constantly innovating and improving personnel and equipment. Since the beginning, the Company introduced the SAP ERP modules MM, SD, PP, FI CO. World-renowned manufacturers and our suppliers, DOW, EXXONMOBIL, BASEL, SABIC, PLASTICA KRITIS, CABOT, MOL, UNIPETROL, VERSALIS, AMPACET, PETROHEMIJA, S-GROUP, and other guarantees that the raw materials that are used in the production process are of superior and reliable quality.

We are processing 6.000 Tones of PE material per year in a wide range of more than 300 products.

CO-Extruded multi perforated mulch films



Made from premium LDPE & LLDPE C6 & C8 metallocene materials provide you supreme mechanical properties on thin film extrusion, from 15 microns.

Gerovit mulch foil is manufactured in accordance with SRPS EN 13655:2018. Based on special recipe material blends gives special mechanical properties.

Premium black masterbatch from Cabot makes the film opaque and high sun protection. We are supplied with well-known german machine producer Reifenhäuser 3-layer blown film line with integrated Gunter inline devices for perforating up to 5 holes per line which means up to 10 perforations on folded foils.



Mulch film is almost impermeable to gases. The CO₂ released from the soil due to the decomposition of organic substances is channeled to perforations on the film made for planting and becomes concentrated around each plant. This small increase in CO₂ level around the stomata of foliage promotes growth by enhancing photosynthesis.

It retains heat in the soil during the night and secures favorable microclimate conditions in the root zone which results in increased early and total yields of crops.

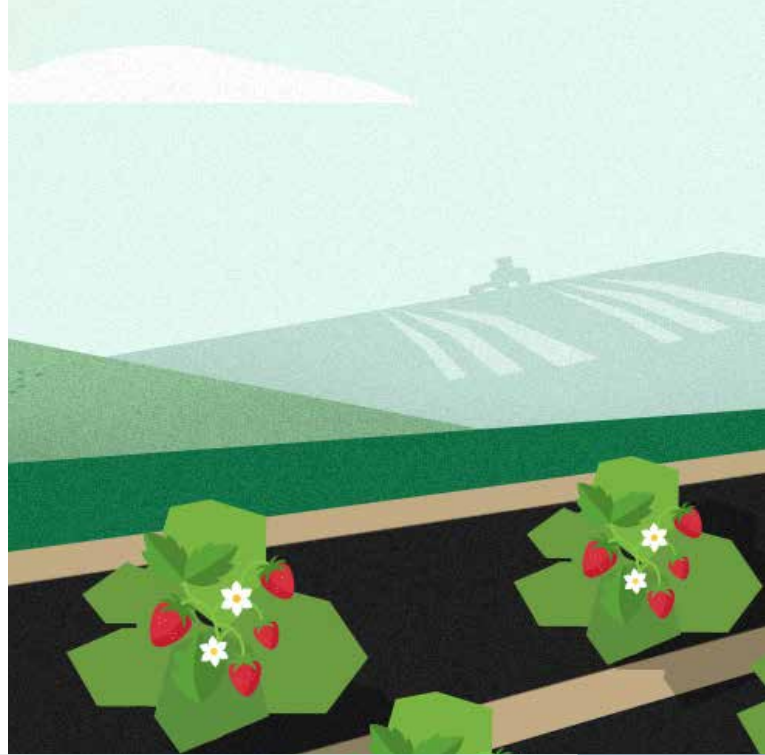
Mulch foils prevent evaporation and secure optimum moisture of the soil which leads to more effective use of available water. Drip irrigation combined with plastic mulch decreased the water consumption of row crops six times.

Higher humidity increases the number of dissolved nutrients dispersed in the root zone.

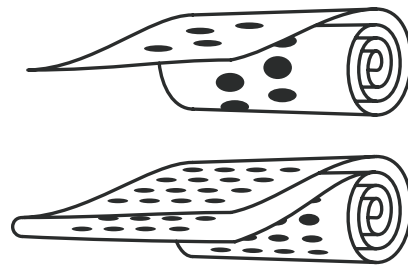
It prevents weed growth.

Mulch film - Specification

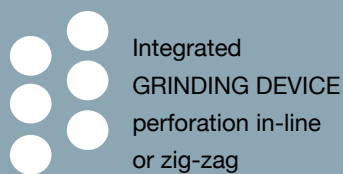
Long-lasting Mulch Films increase crop production rates. Gerovit mulch foil is manufactured in accordance with SRPS EN 13655:2018. Based on special recipe blends give special mechanical properties.

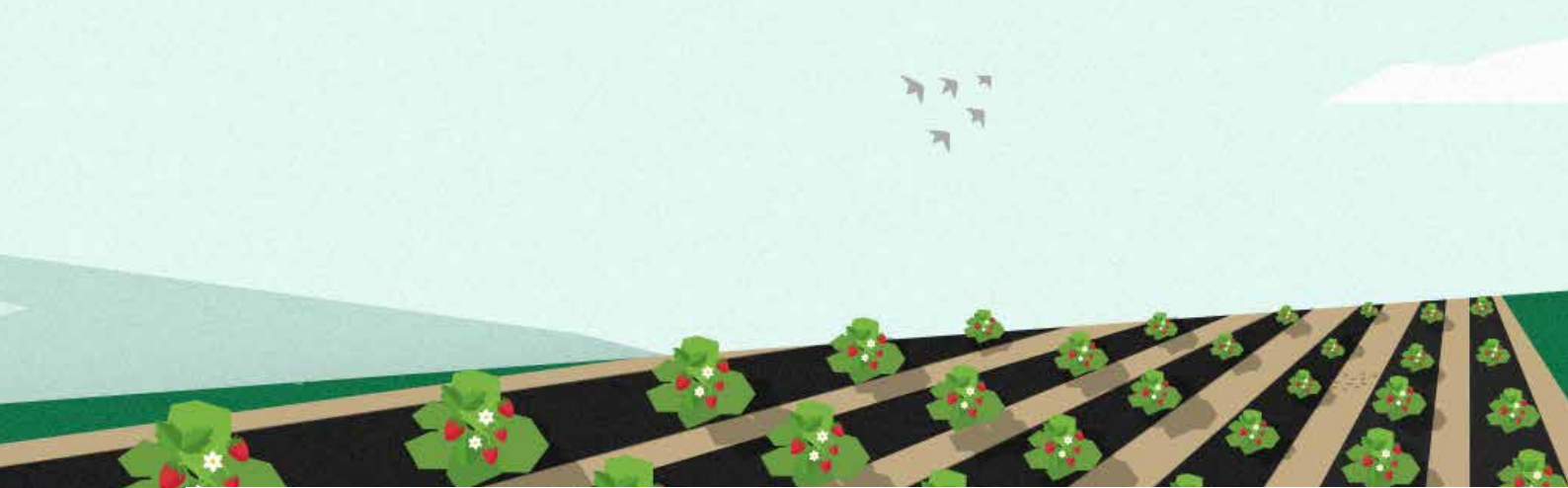


Film thickness	Film width	Material & Lifetime	Perforation	Perforation size	Packaging
<ul style="list-style-type: none"> • from 15 up to 60 microns • black mulch from 15 microns • silver/black mulch from 15 microns • white/black mulch from 22 microns • fume and transparent mulch from 15 microns 	<p>Standard sizes</p> <ul style="list-style-type: none"> - 800mm - 1000mm - 1200mm - 1400mm - 2000mm - 2500mm - 3000mm - 3500mm <p>* It is possible to do any size from 800mm up to 3600mm</p> <p>**All widths of foil larger than 1800 mm are delivered folded.</p>	<p>Enhanced Polyethylene Resins</p> <ul style="list-style-type: none"> • LLDPE • LDPE <ul style="list-style-type: none"> • 6 months (low cost 15 mcrons mulch) • 1 season (15 microns mulch) • 1 year (20-25microns) • 2 seasons (30 microns and more) 	<ul style="list-style-type: none"> • no perforation • 1 line • 2 lines for strawberries • up to 8-10 lines for green salad wide mulch films 	<ul style="list-style-type: none"> • Ø50mm • Ø65mm • Ø80mm 	<ul style="list-style-type: none"> • 50m and 100m box package • from 500m up to 3000m on roll



*All widths of foil larger than 1800 mm are delivered folded.





PURE BLACK



Black mulch foils disable the photosynthesis of weeds. You will reduce weeds without using herbicides with our mulch foils. Plants grow on a clean surface as it prevents the growth of weeds and limits the rise in soil temperature.

SILVER/BLACK



Black/silver mulch foil confuses and repels insects such as thrips, aphids, flea beetles, and whiteflies by reflecting UV rays and illuminating underneath the leaves that are normally in the shade. This mulch will help you to deal with insects without the use of insecticides.

WHITE/BLACK



Black/white mulch film reflects scattered (diffused) light that promotes photosynthesis and plant growth which leads to earlier maturation and higher yields. Reflective mulch foils less warm the soil underneath than black mulch foils.

FUME



Fume mulch films are preferred for the early production of special crops, especially watermelons. Its composition allows the heat to pass to the soil and prevent temperature loss during the night.

TRANSPARENT



Transparent mulch films disinfect the soil and prevent the growth of weeds by solarization (burning) when used during the summer period. Sometimes it is used to encourage early-season plant growth and early cropping.

Mulch films - Product range



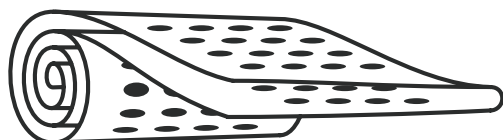
<input checked="" type="checkbox"/> Pure Black seasonal mulch film					
Code	Color	Thickness	Width	Additives	Spool
MF11150810	black/black	15 mic	0,8m	UV stabiity	1000m
MF11151010	black/black	15 mic	1,0m	UV stabiity	1000m
MF11151210	black/black	15 mic	1,2m	UV stabiity	1000m
MF11200810	black/black	20 mic	0,8m	UV stabiity	1000m
MF11201010	black/black	20 mic	1,0m	UV stabiity	1000m
MF11201210	black/black	20 mic	1,2m	UV stabiity	1000m
<input checked="" type="checkbox"/> Silver/Black seasonal mulch film					
MF18150810	silver/black	15 mic	0,8m	UV stabiity, Pigments	1000m
MF18151010	silver/black	15 mic	1,0m	UV stabiity, Pigments	1000m
MF18151210	silver/black	15 mic	1,2m	UV stabiity, Pigments	1000m
MF18200810	silver/black	20 mic	0,8m	UV stabiity, Pigments	1000m
MF18201010	silver/black	20 mic	1,0m	UV stabiity, Pigments	1000m
MF18201210	silver/black	20 mic	1,2m	UV stabiity, Pigments	1000m
<input checked="" type="checkbox"/> Fume seasonal mulch film					
MF11150810	fume	15 mic	1,0m	UV stabilnost	1000m
MF11151010	fume	15 mic	1,2m	UV stabilnost	1000m
MF11151210	fume	15 mic	1,4m	UV stabilnost	1000m
<input type="checkbox"/> Transparent seasonal mulch film					
MF00150710	transparent	15 mic	0,7m	UV, anti-dripping	1000m
MF00150810	transparent	15 mic	0,8m	UV, anti-dripping	1000m
MF00151010	transparent	15 mic	1,0m	UV, anti-dripping	1000m
MF00151210	transparent	15 mic	1,2m	UV, anti-dripping	1000m
MF00151410	transparent	15 mic	1,4m	UV, anti-dripping	1000m





Multiseasonal strawberry mulch film

CODE	Color	Thickness	Width	Hole no.	Hole position	Hole size	Spool
MF11251213	black/black	25 mic	1,2m	1 hole	20cm	Ø65mm	1000m
MF11251314	black/black	25 mic	1,3m	2 holes	20cm	Ø65mm	1000m
MF11301011	black/black	30 mic	1,0m	1 hole	20cm	Ø50mm	1000m
MF11301012	black/black	30 mic	1,0m	2 holes	30x30cm	Ø50mm	1000m
MF11301013	black/black	30 mic	1,0m	1 hole	20cm	Ø65mm	1000m
MF11301211	black/black	30 mic	1,2m	1 hole	20cm	Ø50mm	1000m
MF11301212	black/black	30 mic	1,2m	2 holes	30x30cm	Ø50mm	1000m
MF11301213	black/black	30 mic	1,2m	1 hole	20cm	Ø65mm	1000m
MF11301214	black/black	30 mic	1,2m	2 holes	30x30cm	Ø65mm	1000m
MF11401011	black/black	40 mic	1,0m	1 hole	20cm	Ø50mm	1000m
MF11401013	black/black	40 mic	1,0m	1 hole	20cm	Ø65mm	1000m
MF11401113	black/black	40 mic	1,1m	1 hole	20cm	Ø65mm	1000m
MF11401212	black/black	40 mic	1,2m	2 holes	30x30cm	Ø50mm	1000m
MF11401214	black/black	40 mic	1,2m	2 holes	30x30cm	Ø65mm	1000m
MF18301011	silver/black	30 mic	1,0m	1 hole	20cm	Ø50mm	1000m
MF18301212	silver/black	30 mic	1,2m	2 holes	30x30cm	Ø50mm	1000m
MF18301214	silver/black	30 mic	1,2m	2 holes	30x30cm	Ø65mm	1000m
MF18401414	silver/black	40 mic	1,4m	2 holes	30x30cm	Ø65mm	1000m

Mulch films - Product range



 Seasonal green salad mulch film black/black							
CODE	Color	Thickness	Width	Hole size	Hole no.	Hole position	Spool
MF38152005	black/black	15mic	2,0m	Ø50mm	8 holes	25x25cm	500m
MF38152010	black/black	15mic	2,0m	Ø50mm	8 holes	25x25cm	1000m
MF38222010	black/black	22mic	2,0m	Ø50mm	8 holes	25x25cm	1000m
MF38302010	black/black	30 mic	2,0m	Ø50mm	8 holes	25x25cm	1000m
MF30152505	black/black	15mic	2,5m	Ø50mm	10 holes	25x25cm	500m
MF30152510	black/black	15mic	2,5m	Ø50mm	10 holes	25x25cm	1000m
MF30222510	black/black	22mic	2,5m	Ø50mm	10 holes	25x25cm	1000m
MF30302510	black/black	30 mic	2,5m	Ø50mm	10 holes	25x25cm	1000m
MF30153005	black/black	15mic	3,0m	Ø50mm	10 holes	30x30cm	500m
MF30153010	black/black	15mic	3,0m	Ø50mm	10 holes	30x30cm	1000m
MF30223010	black/black	22mic	3,0m	Ø50mm	10 holes	30x30cm	1000m
MF30303010	black/black	30 mic	3,0m	Ø50mm	10 holes	30x30cm	1000m
 Seasonal green salad mulch film white/black							
MF32222005	white/black	22mic	2,0m	Ø50mm	8 holes	25x25cm	500m
MF32222010	white/black	22mic	2,0m	Ø50mm	8 holes	25x25cm	1000m
MF32222505	white/black	25mic	2,5m	Ø50mm	10 holes	25x25cm	500m
MF32222510	white/black	25mic	2,5m	Ø50mm	10 holes	25x25cm	1000m

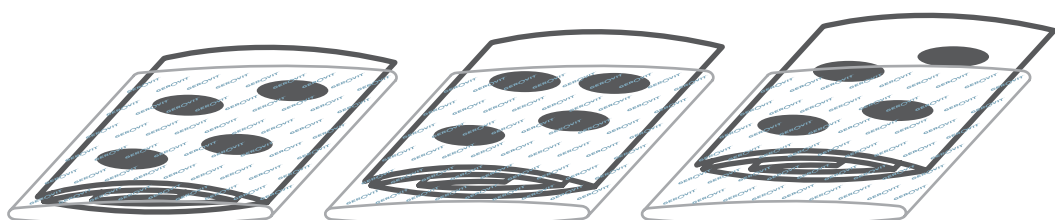


BAG PACKAGES - Seasonal green salad mulch film black/black

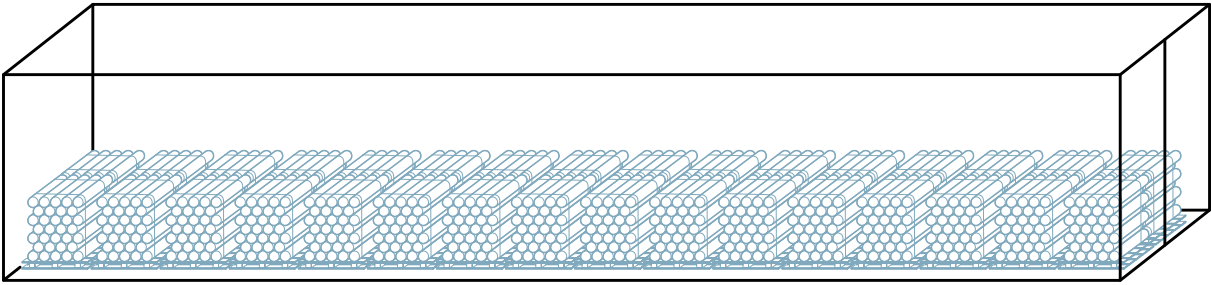
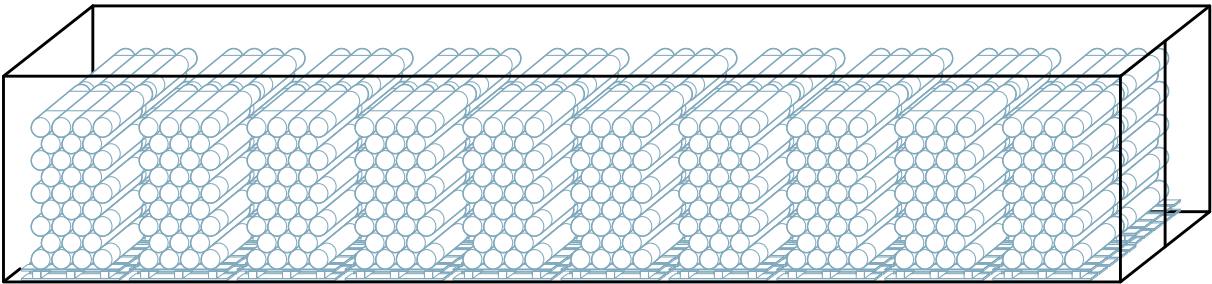
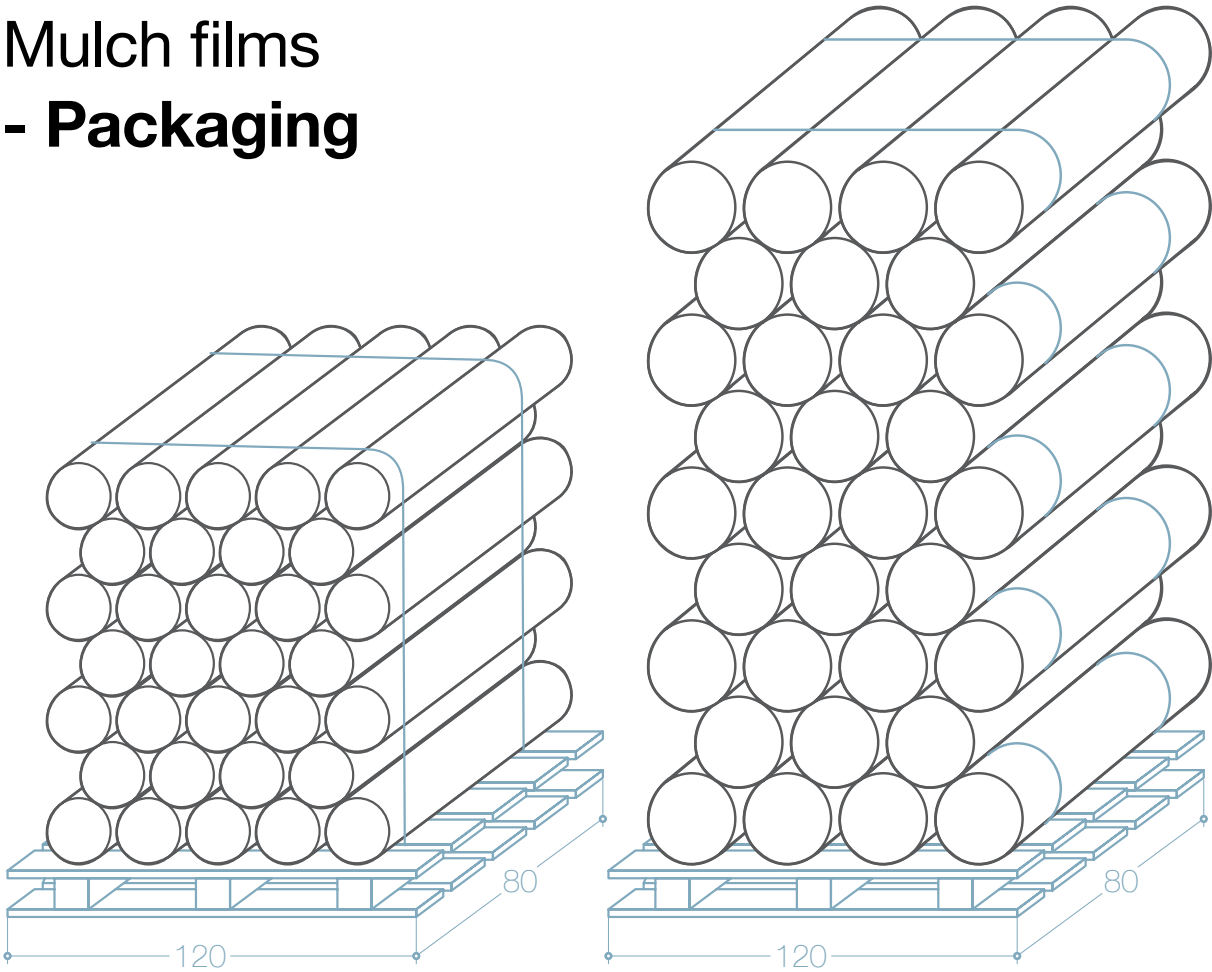
CODE	Color	Thickness	Width	Hole size	Hole no.	Hole position	Spool
MF38152000	black/black	15mic	2,0m	Ø50mm	8 holes	25x25cm	50m
MF38222000	black/black	22mic	2,0m	Ø50mm	8 holes	25x25cm	50m
MF38302000	black/black	30 mic	2,0m	Ø50mm	8 holes	25x25cm	50m
MF30152500	black/black	15mic	2,5m	Ø50mm	10 holes	25x25cm	50m
MF30222500	black/black	22mic	2,5m	Ø50mm	10 holes	25x25cm	50m
MF30302500	black/black	30 mic	2,5m	Ø50mm	10 holes	25x25cm	50m
MF30153000	black/black	15mic	3,0m	Ø50mm	10 holes	30x30cm	50m
MF30223000	black/black	22mic	3,0m	Ø50mm	10 holes	30x30cm	50m
MF30303000	black/black	30 mic	3,0m	Ø50mm	10 holes	30x30cm	50m

BAG PACKAGES - Seasonal green salad mulch film white/black

MF32222000	white/black	22mic	2,0m	Ø50mm	8 holes	25x25cm	50m
MF32222500	white/black	25mic	2,5m	Ø50mm	10 holes	25x25cm	50m



Mulch films - Packaging





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Creating a competitive advantage in
our customers' businesses with the
help of first-class products.

We provide our company's success
by consistently meeting the needs of
clients, stakeholders and employees.