

Mulches & Landscape Fabric Comparison Chart

Landscape Fabric

Nonbiodegradable mulch →

Material	Recyclability	Part #	Product Name	Thickness	Approx Avg Weight**	Color	Texture	Primary Application(s)	Strengths	Limitations	Origin
Woven polypropylene; backing is polyester blended with polypropylene	*	9739	Pro 5 Weed Barrier Landscape Fabric - 4' x 50'	35mil/889 μ	6.5lb/2.9kg	Flat black	Woven; needle-punched	Weed suppression	Most effective weed control fabric available; permeable yet provides good soil moisture conservation; lasts 5 years or more, reusable with proper care; great for perennials; striped every 12" to aid in plant alignment	Requires anchoring with fabric staples or soil; more costly than standard plastic mulches	India
Woven polypropylene; backing is polyester blended with polypropylene	*	9724	Pro 5 Weed Barrier Landscape Fabric - 4' x 250'	35mil/889 μ	37lb/16.8kg	Flat black	Woven; needle-punched	Weed suppression	Most effective weed control fabric available; permeable yet provides good soil moisture conservation; lasts 5 years or more, reusable with proper care; great for perennials; striped every 12" to aid in plant alignment	Requires anchoring with fabric staples or soil; more costly than standard plastic mulches	India
Cellulose (paper)	Biodegradable	9650	Planters Paper Mulch - 2' x 50'	Approx. 5.0mil/127 μ (55-60-lb weight paper)	2.1lb/1kg	Black	Kraft-type paper	Weed suppression; soil warming	Sustainability; labor-saving; weed suppression similar to plastic mulch; US-made	Approx. 2°F/1.1°C less soil-warming capacity than poly mulch; edges may need to be secured periodically throughout the season to avoid moving and tearing	New England
Cellulose (paper)	Biodegradable	9651	Planters Paper Mulch - 4' x 100'	Approx. 5.0mil/127 μ (55-60-lb weight paper)	6lb/2.7kg	Black	Kraft-type paper	Weed suppression; soil warming	Sustainability; labor-saving; weed suppression similar to plastic mulch; US-made	2°F/1.1°C less soil-warming capacity than poly mulch; edges may need to be secured periodically throughout the season to avoid moving and tearing	New England
Non-GMO, plant-sourced, compostable polyester	Biodegradable	9302	Bio360 Biodegradable Mulch - 4' x 500'	0.6mil/15.2 μ	9.1lb/4.1kg	Flat black	Smooth	Soil warming; weed suppression	Sustainability; labor-saving; weed suppression similar to standard plastic mulch; can be used with mechanical mulch layers	More costly than nonbiodegradable polymeric mulch; may require time to degrade in soil after being tilled in	Canada
Non-GMO, plant-sourced, compostable polyester	Biodegradable	9560	Bio360 Biodegradable Mulch - 4' x 4000'	0.6mil/15.2 μ	62lb/28.1kg	Flat black	Smooth	Soil warming; weed suppression	Sustainability; labor-saving; weed suppression similar to standard plastic mulch; can be used with mechanical mulch layers	More costly than nonbiodegradable polymeric mulch; may require time to degrade in soil after being tilled in	Canada

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** Can vary slightly from roll to roll.



Planters Paper® Mulch



Black Mulch



SRM Red Mulch

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Nonbiodegradable Mulch



Material	Recyclability	Part #	Product Name	Thickness	Approx Avg Weight**	Color	Texture	Primary Application(s)	Strengths	Limitations	Origin
Polyethylene	*	7220	Black Mulch - 4' x 50', Smooth	1.0mil/25.4μ	25lb/11.3kg	Black	Smooth	Weed suppression; soil warming	Most economical; durable; easily installed; reduces soil moisture evaporation; strong enough for double usage	Nonbiodegradable; nonpermeable	Guatemala
Polyethylene	*	7221	Black Mulch - 4' x 100', Smooth	1.0mil/25.4μ	36lb/16.3kg	Black	Smooth	Weed suppression; soil warming	Most economical; durable; easily installed; reduces soil moisture evaporation; strong enough for double usage	Nonbiodegradable; nonpermeable	Guatemala
Polyethylene	*	7222	Black Mulch - 4' x 600', Embossed	1.0mil/25.4μ	16lb/7.3kg	Black	Embossed	Weed suppression; soil warming	Most economical; durable; easily installed; reduces soil moisture evaporation; strong enough for double usage; embossing provides extra stretchability for snug fit, better soil contact, and better soil warming capability	Nonbiodegradable; nonpermeable	USA
Polyethylene	*	7223	Black Mulch - 4' x 2000', Embossed	1.0mil/25.4μ	45lb/20.4kg	Black	Embossed	Weed suppression; soil warming	Most economical; durable; easily installed; reduces soil moisture evaporation; strong enough for double usage; embossing provides extra stretchability for snug fit, better soil contact, and better soil warming capability	Nonbiodegradable; nonpermeable	USA
Polyethylene	*	7224	Black Mulch - 4' x 4000', Embossed	1.0mil/25.4μ	85lb/38.6	Black	Embossed	Weed suppression; soil warming	Most economical; durable; easily installed; reduces soil moisture evaporation; strong enough for double usage; embossing provides extra stretchability for snug fit, better soil contact, and better soil warming capability	Nonbiodegradable; nonpermeable	USA
Polyethylene	*	9738	Solar Mulch - 4' x 50'	1.0mil/25.4μ	25lb/11.3kg	Varied	Embossed	Soil warming 8–10°F/4.4–5.6°C; weed suppression	Allows near-IR light to penetrate, to warm soil, but blocks penetration by visible light, to prevent weed seed germination	Nonbiodegradable; nonpermeable; should be laid soon after tilling the soil for maximum weed suppression	Canada
Polyethylene	*	9728	Solar Mulch - 4' x 2400'	1.0mil/25.4μ	46lb/20.9kg	Varied	Embossed	Soil warming 8–10°F/4.4–5.6°C; weed suppression	Allows near-IR light to penetrate, to warm soil, but blocks penetration by visible light, to prevent weed seed germination; embossed for compatibility with mechanical mulch layer	Nonbiodegradable; nonpermeable; should be laid soon after tilling the soil for maximum weed suppression	Canada
Polyethylene	*	9166	SRM Red Mulch - 4' x 30'	1.0mil/25.4μ	18lb/8.2	Red	Smooth	Boosts yield of tomatoes and strawberries; soil warming (4–6°F/2.2–3.3°C); weed suppression	Suppresses weeds; retains moisture; reflects far-red wavelengths, so crop canopy absorbs more light	Nonbiodegradable; nonpermeable; inappropriate for use at higher latitudes	Guatemala
Polyethylene	*	9470	SRM Red Mulch - 4' x 100'	1.0mil/25.4μ	36lb/16.3kg	Red	Smooth	Boosts yield of tomatoes and strawberries; soil warming (4–6°F/2.2–3.3°C); weed suppression	Suppresses weeds; retains moisture; reflects far-red wavelengths, so crop canopy absorbs more light	Nonbiodegradable; nonpermeable; inappropriate for use at higher latitudes	Guatemala
Polyethylene	*	9296	SRM Red Mulch - 4' x 600'	1.0mil/25.4μ	14lb/1.8kg	Red	Smooth	Boosts yield of tomatoes and strawberries; soil warming (4–6°F/2.2–3.3°C); weed suppression	Suppresses weeds; retains moisture; reflects far-red wavelengths, so crop canopy absorbs more light	Nonbiodegradable; nonpermeable; inappropriate for use at higher latitudes	Guatemala
Polyethylene	*	9002	SRM Red Mulch - 4' x 3000'	1.0mil/25.4μ	65lb/29.5kg	Red	Smooth	Boosts yield of tomatoes and strawberries; soil warming (4–6°F/2.2–3.3°C); weed suppression	Suppresses weeds; retains moisture; reflects far-red wavelengths, so crop canopy absorbs more light	Nonbiodegradable; nonpermeable; inappropriate for use at higher latitudes	Guatemala
Polyethylene	*	9005	White on Black Mulch - 4' x 50'	1.0mil/25.4μ	25lb/11.3kg	White/Black	Embossed	Soil cooling; weed suppression	Good for cool-loving crops such as brassicas	Nonbiodegradable; nonpermeable; for use during warm conditions	Canada
Polyethylene	*	9662	White on Black Mulch - 4' x 4000'	1.0mil/25.4μ	76lb/34.5kg	White/Black	Embossed	Soil cooling; weed suppression	Good for cool-loving crops such as brassicas	Nonbiodegradable; nonpermeable; for use during warm conditions	Canada
High-density polyethylene (HDPE)		9415	Metallic Silver Mulch - 4' x 50'	1.0mil/25.4μ	25lb/11.3kg	Metallic surface; black undersurface (co-extruded)	Smooth	Repels insects; soil cooling 2–6°F/1.1–3.3°C	Suppresses weeds; reduces pest and disease pressure; retains moisture; reflective, so crop canopy absorbs more light	Nonbiodegradable; nonpermeable	Canada
High-density polyethylene (HDPE)		9329	Metallic Silver Mulch - 4' x 4000'	1.0mil/25.4μ	76lb/34.5kg	Metallic surface; black undersurface (co-extruded)	Smooth	Repels insects; soil cooling 2–6°F/1.1–3.3°C	Suppresses weeds; reduces pest and disease pressure; retains moisture; reflective, so crop canopy absorbs more light	Nonbiodegradable; nonpermeable	Canada

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