

The table below, published in the Consumer Reports July 2016 (pages 40-43), reviews and scores 16 insect repellents*.

Repellent	Score	Cost per ounce	Hours Culex mosquito effectiveness	Hours deer tick effectiveness	Active ingredients
Sawyer Picaridin	96	\$2.06	8	8.5	Picaridin 20%
Ben's 30% Deet Tick & Insect Wilderness Formula	93	\$1.33	8	8.5	Deet 30%
Repel Lemon Eucalyptus	87	\$1.88	8	7	Oil of lemon eucalyptus 30% (Approx. 65% p-menthane-3,8-diol)
Repel Scented Family	82	\$1.08	8	8.5	Deet 15%
Natrapel 8 Hour	81	\$1.50	8	6	Picaridin 20%
Off Deepwoods VIII	74	\$1.63	8	5	Deet 25%
Coleman SkinSmart	69	\$1.33	6	8	3-(N-Butyl-acetyl)-amino propionic acid ethyl ester IR3535 20%
Avon Skin-So-Soft Bug Guardplus Picaridin	62	\$3.50	8	7	Picaridin 10%
Cutter Skinsations	33	\$0.75	3	6	Deet 7%
HOMS Bite Blocker BioUD Mini Trigger	31	\$1.49	3.5	3	2-Undecanone (CAS #112-12-9) 7.75%
Cutter Natural	29	\$0.83	0.5	8	Geraniol 5%, soybean oil 2%, sodium lauryl sulfate 0.4%, potassium sorbate 0.1%
Burt's Bees Herbal	28	\$2.00	1.5	6	Castor oil 10%, rosemary oil 3.77%, lemongrass oil 2.83%, cedar oil 0.94%, peppermint oil 0.76%, citronella oil 0.57%, clove oil 0.38%, geranium oil 0.19%
All Terrain Kids Herbal Armor	23	\$2.50	1	6.5	Oil of soybean 11.5%, oil of citronella 10%, oil of peppermint 2%, oil of cedar 1.5%, oil of lemongrass 1%, oil of geranium 0.05%
California Baby Natural Bug Blend	22	\$2.43	0.5	7	Pure essential oils of cymbopogon nardus (citronella) 5%, cymbopogon schoenanthus (lemongrass) 0.5%, cedrus atlantica (cedar) 0.5%
Off Family Care II Clean Feel	18	\$1.00	1	5	Picaridin 5%
EcoSmart Organic	7	\$1.17	0.5	1.5	Geraniol 1.0%, rosemary oil 0.5%, cinnamon oil 0.5%, lemongrass oil 0.5%

*This list is reported without preference, endorsement or completeness by the SD Department of Health.