

# Winter Anti-Gels Are Essential For Getting Critical Fuel Through The Cold Weather



To prevent winter fuel gelling, you have options. Here's how some of the best-known choices compare.

PRODUCT / FUNCTION	BELL PERFORMANCE COLD FLOW IMPROVER®	HOWES® DIESEL TREAT	LUCAS® ANTIGEL	VALVTECT® DIESEL GUARD	POWER SERVICE® ARCTIC
EPA-Registered	✓	✓	✓	✓	✓
Protects down to -5F***	✓	No Claim	Depending on Treat Rate	Depending on Treat Rate	Depending on Treat Rate
Principle Chemistry**	Polymer-Based	Solvent-Based	Solvent-Based	Solvent-Based	Solvent-Based
Baseline Manufacturer Recommended Treat Rate	1:1000 (16 oz to 125 gal)	1:320 (16 oz to 40 gal)	1:600 (16 oz to 75 gal)	1:3000 (16 oz to 375 gal)	1:1000 (16 oz to 125 gal)
<b>Essential Functions Of An Anti-Gel</b>					
Wax Modification	✓	Minimal Above 1:312 (1 oz to 2.4 gal)	Minimal Above 1:333 (1 oz to 2.6 gal)	Minimal Above 1:312 (1 oz to 2.4 gal)	Minimal Above 1:256 (1 oz to 2 gal)
Wax Anti-Settling	✓	Minimal Above 1:312 (1 oz to 2.4 gal)	Minimal Above 1:384 (1 oz to 3 gal)	Minimal Above 1:640 (1 oz to 5 gal)	Minimal Above 1:900 (1 oz to 7 gal)
Pour Point Depressant	✓	Minimal Above 1:1280 (1 oz to 10 gal)	Minimal Above 1:600 (1 oz to 4.7 gal)	Minimal Above 1:640 (1 oz to 5 gal)	Minimal Above 1:1800 (1 oz to 14 gal)
Wax Dispersant	✓	Minimal Above 1:312 (1 oz to 2.4 gal)	Minimal Above 1:600 (1 oz to 4.7 gal)	Minimal Above 1:640 (1 oz to 5 gal)	Minimal Above 1:2000 (1 oz to 15.6 gal)
Deicer	✓	NO	NO	Minimal Above 1:278 (1 oz to 2 gal)	Minimal Above 1:128 (1 oz to 1 gal)
Minimum Effective Treat Rate (Full Functionality)	1:1000 (1 oz to 8 gals)	1:277 (1 oz to 2.1 gal) (NO DEICING)	1:200 (1 oz to 1.6 gal) (NO DEICING)	1:278 (1 oz to 2.2 gal)	1:267 (1 oz to 2.1 gal) (NO DEICING)
Treat Cost for Full Effectiveness: 50 Gallons* (@ \$20 Per 32 Oz Bottle)	\$4.00	\$14.40	\$20.00	\$14.39	\$14.98

\* - The product cost to treat 50 gallons of fuel at the Minimum Effective Treat Rate to achieve full product functionality. This is often different from the Baseline Manufacturer Recommended Treat Rate. Product cost is assumed to be \$20.00 per 32 oz. bottle. Actual product cost may vary.

\*\* - **Polymer-Based** chemistries require much less to use due to using advanced molecules that modify wax crystals, improve fuel flow, and prevent wax settling. **Solvent-Based** chemistries work by dissolving or dispersing wax, which means you need to use much more to deliver their benefits.

\*\*\* - At baseline recommended treat rates, can the anti-gel reduce cloud point from the typical 16-18 deg F down to at least -5 deg F, for typical ULSD diesel fuels? Many products won't specify the level of temperature reduction, or they will list fine print indicating you need to use more than the baseline.

**The choice is clear - Cold Flow Improver® from Bell Performance is the commercial-grade best choice for preventing winter gelling problems and protecting diesel fuel in cold weather.**