



# ETHANOL DEFENSE

## THE COMMERCIAL-STRENGTH SOLUTION TO ETHANOL PROBLEMS - NOW AVAILABLE TO EVERYONE

ETHANOL DEFENSE is the best multi-function defense against ethanol problems on the market today, with commercial-grade strength to address all fuel-related problems in gasoline engines, including those caused by ethanol.

## ETHANOL DEFENSE FROM BELL PERFORMANCE

Bell Performance is the father of the fuel additive industry, producing the first fuel additive on record in 1909, followed in 1927 by the first formulation for its multi-function gasoline **MIX-I-GO**. Now Bell Performance brings to the market the best defense available against ethanol: **ETHANOL DEFENSE**.

## WHAT'S WITH ETHANOL?

Government mandates for an increase in ethanol concentration from 10-15% are causing big problems for consumers and drivers:

- Lost mileage and fuel economy (because ethanol contains less energy than gasoline)
- Water collection in the fuel and phase separation (because ethanol attracts water everywhere)
- Damaged equipment from ethanol softening and dissolving of rubber and plastic

Worse yet is the noise in the marketplace, where everyone seems to be coming out with their own

“solution” for the ethanol problem. Many of these products don’t work or they simply add more alcohol to the fuel and claim to be solving ethanol’s water problems. No wonder people are confused.

## THE SOLUTION TO ETHANOL PROBLEMS

ETHANOL DEFENSE combines multi-function mileage- and performance-enhancing features with ethanol protection, superior detergency and the most powerful combination of water-absorbing ingredients available, all combined to land a knock-out punch for ethanol that no other product can match. It is the only ethanol treatment you will ever need.

### • ETHANOL DEFENSE Solves Water Problems in Ethanol Without Alcohol

There’s no way to avoid it — ethanol pulls water into the fuel wherever it is. This can cause the ethanol to separate from the gasoline, stripping the octane from the fuel and leaving you with a layer of poor quality gasoline on top and ethanol + water on the bottom (which, if burned, can cause performance problems at best and engine damage at worst).

If you use ethanol in 2-cycle equipment, the news is even worse as water keeps the fuel from properly lubricating essential metal surfaces. When this happens, it doesn’t take long for catastrophic and expensive engine damage to occur.

Many of these new “water-control” potions try to work by simply adding more alcohol to the fuel. Alcohol is what caused the water problem in the first place; you can’t fix a water problem caused by alcohol by adding more alcohol. **ETHANOL DEFENSE** knocks out water problems with no alcohol, for a real solution to a real problem.

- **Protects Against Ethanol Damage and Provides Superior Upper Cylinder Lubrication**

Ethanol blends dissolve rubber, plastic and resin materials wherever the fuel comes in contact. Over time, this means expensive damage to equipment, especially small equipment. **ETHANOL DEFENSE** coats these parts and lubricates the upper cylinder area, providing superior protection against ethanol damage.

- **Improves Mileage and Performance**

The combustion improves in **ETHANOL DEFENSE** help counter the mileage-robbing effects of ethanol by making more of the fuel available for combustion at the optimal time, while its detergent and surfactant package cleans all areas of the engine and fuel system to raise engine efficiency back to like-new condition. **ETHANOL DEFENSE can improve mileage by up to 12% or more**

- **Removes Carbon, Gum and Sludge**

**ETHANOL DEFENSE** removes carbon, sludge and gum deposits from the fuel injectors, fuel system, valves and combustion chamber. A cleaner engine and fuel system operates closer to 100% efficiency than a dirty one, maximizing vehicle mileage and performance while reducing emissions.

- **Cleans Ethanol Engine Deposits**

When ethanol dissolves rubber and plastic, those resins are carried in the fuel and deposited into critical areas to cause performance problems and raised emissions, just like regular carbon deposits. **ETHANOL DEFENSE** removes these resin deposits, solving these issues for your engine and fuel system.

- **Stabilizes Ethanol Blends**

**ETHANOL DEFENSE**'s blend of stabilizers and water-controllers attack the common causes of ethanol fuel instability: phase separation from water and fuel oxidation. Stored ethanol blends treated with **ETHANOL DEFENSE** stay useable for longer periods of time.

You can trust **ETHANOL DEFENSE** to keep your valuable gas-powered vehicles and equipment running at peak efficiency throughout their life span. Along with proper maintenance, protecting these investments from ethanol damage is the best way to extend their life.

## **WHY USE ETHANOL DEFENSE?**

In the wake of the ethanol “explosion” across the country, other products have suddenly appeared on store shelves in the last year, all claiming to be the next-best-thing for fixing ethanol problems. None of them have stood the test of time as the gold standard for quality and performance that Bell Performance products have.

Just as consumers have relied on MIX-I-GO for over 80 years, you can rely on **ETHANOL DEFENSE** as your one-stop solution for all ethanol problems in all gasoline-power vehicles and equipment, large and small.

## **TREAT RATIO**

**1 oz. treats 10 gallons; 32 oz. treats 320 gallons; 1 gallon treats 1,280 gallons.**

**ETHANOL DEFENSE** will work immediately to remove water in treated fuel and prevent its build-up. Best results for cleaning, mileage and performance improvements may be seen after 2-3 tanks of fuel.

**TRUST THE FATHER OF THE FUEL ADDITIVE MARKET TO MAKE THE BEST ETHANOL TREATMENT ON THE MARKET.**

**TRUST ETHANOL DEFENSE FROM BELL PERFORMANCE .**

**BECAUSE PERFORMANCE COUNTS!**



**We Made It First. We Make It Best.**