

E20 PETROL SAFETY & CARBURETOR CARE

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Official Operating Advisory for Small Agricultural Engines (KOREVA9 Power Weeders & Reapers)

1. Understanding E20 Petrol (20% Ethanol Blend)

E20 Petrol contains 20% ethanol and 80% gasoline. Ethanol is highly hygroscopic (absorbs moisture from atmosphere). In small 4-stroke engines (Power Weeders, Reapers, Brush Cutters), moisture absorption can cause phase separation and carburetor corrosion if stored improperly.

IMPORTANT SAFETY ADVISORY: Do not store E20 fuel in open containers or inside machine fuel tanks for more than 14 consecutive days. Stale E20 fuel causes hard starts, clogged jets, and engine stalls.

2. Preventative Carburetor Care & Storage Rules

- Fuel Storage Limit: Purchase only enough E20 petrol for 10-14 days of operation.
- Float Bowl Draining: If machine is idle for over 10 days, turn fuel valve OFF and unscrew the float bowl drain bolt to drain remaining fuel.
- Air Filter Maintenance: Clean foam air filter element in clean kerosene every 25 hours. Lightly coat with clean engine oil.
- Spark Plug Check: Clean spark plug electrodes every 50 hours. Set gap to 0.7mm - 0.8mm.

3. Carburetor Maintenance & Lubricant Specifications

Component / Metric	Recommended Specification & Care
Engine Oil	KOREVA 4T Agro Heavy Duty 20W-50 Engine Oil (API SL / CF grade).
Oil Sump Capacity	0.6 Liters (Fill until oil level touches lower threads of dipstick hole).
Fuel Strainer	Unscrew and rinse fuel tank sediment cup with clean petrol every 50 hours.
Carburetor Cleaning	Flush main jet & pilot jet with aerosol carburetor spray. Never use steel wire to clean jets.