

Screw press for OSR bio-diesel

FARMERS wanting to produce their own fuel will be interested to hear that Alvan Blanch has a screw press and treatment system for converting rape seed to bio-diesel.

The rape seed is placed in a hopper that augers it into the screw system that has knurled orifices to let the oil out into a tank below while the solid material is passed out the other end. The oil is left in settlement tanks or run through an inline filter before methanol is added at set ratio and the transesterification process allowed to occur.

The complete system costs in the region of £18,000 and can process 150kg of rape seed per hour to produce 50-litres of oil.