



PRESS RELEASE

14 April 2006

STANDEN-PEARSON T3 – NEW 3-ROW POTATO HARVESTER

STANDEN ENGINEERING this week announces details of its all new trailed 3-row potato harvester, the STANDEN-PEARSON T3. With an up to 60% output increase when compared to a 2-row trailed harvester, this newcomer is in a market niche all of its own. T3 can harvest 3-rows in different formats; on 72" (1.8m) beds, lifting one pair of rows, plus 1-row from the right or left bed, or 3-rows at 36" (90cm). A tractor of about 180hp is recommended.

The new 3-row harvester is the final piece of machinery required to complete a system of 3-row crop establishment; 4-Bodied BEDFORMER, POWAVATOR 400 rotary tiller, 6-row PLANTER, and a new topper with hydraulic rams for sideways movement to suit the T3 harvester.

Harvesting costs are as ever under pressure as growers look to reduce expenses wherever possible, the new T3 offers outstanding possibilities. At a projected 30% more expensive to the grower than a 2-row trailed machine, and with a proven output around 60% greater, the figures really stack up; no grower can afford to ignore the potential for this exciting new development from the Ely based manufacturer.

ALL NEW RUGGED CHASSIS – POWERFUL HYDRAULIC SYSTEM

T3 is based on a completely new chassis designed to provide strength, excellent visibility for the driver, and easy access for maintenance and adjustments. The drive-line is simple and rugged, requiring minimal attention, with long life components used to maximise reliability. All hydraulic variable speed drives are featured throughout the harvester, with all speeds adjustable from the driver's cab mounted CAN-Bus electronic control console.

Powerful hydraulics feature 4 x high capacity load sensing pumps, suction filters protect each of the main pumps separately, and individual pre-filters are fitted before each valve in the system. T3 uses a suitably prepared section of its main chassis as a high capacity hydraulic oil reservoir, providing effective oil cooling, and neat installation without needing a separate oil tank. So efficient is this system, the extra cost and complication of a separate oil cooler has proved unnecessary.

Hydraulic powered wheel drives are standard equipment on T3, as is flotation wheel equipment. The offside wheel is rotated underneath the harvester for road transport to achieve a transport width of just 3.4 metres. In the field the wheel is simply rotated to its outer position for maximum stability once the crop is opened. A special wide angle P.T.O shaft allows powered axle operation at headlands. Hydraulic rear axle steering, hydraulic levelling and a hydraulic drawbar are also standard.

ADVANCED LIFTING TECHNOLOGY

Automatic share depth control is standard equipment; fully adjustable from the driver's cab, it can also be overridden by the operator at any time. Interestingly STANDEN will later this year launch a new T3 option; Ultrasonic laser sensing depth control. Ultrasonic sensors operate without diablo rollers or height sensing wheels, with the added benefits of reduced ridge compaction or possible clod formation.

First lifting web is at 36mm pitch; importantly, the transfer height between the first and second webs is adjustable from the cab, offering an added dimension of adjustability to the separation process to suit field conditions. The driver can instantly see the results of any adjustment at this point.

Second separating web will be available in pitches from 36mm to 55mm. Two sets of hydraulic rotary agitators are fitted to this web. Effective haulm removal comes in the form of an independently driven full width haulm roller with a reverse facility. Additional haulm removal is carried out by 2 x clod rollers on the Star separators; these also have hydraulic drives with reversing capabilities.

SEPARATION EFFICIENCY AND FLEXIBILITY

Three sets of STARFLOW stars and a second section of stars work in conjunction with 2 x hydraulically driven, speed variable/reversible clod rollers. Clod rollers are available in round, hexagonal or square formats depending on the degree of separation required.

Growers can select from either a 2.4 metre GALAXY star separation unit, suitably upgraded for T3 installation, or ROLLER-TABLE separation (28 x rollers, 2.4 metres wide, 650mm rollers) to provide a huge separating capacity to match the output potential for this 3-row harvester.

Three spreader webs ensure even crop distribution to the discharge elevator. STANDEN-PEARSON gentle harvesting technology is evident right through the machine, with low drop or adjustable transfer points. No bottlenecks or narrowing of the crop path endows the harvester with a smooth unobstructed crop path.

INNOVATIVE DISCHARGE ELEVATOR

With a width of 1300mm the elevator is well matched to the harvester capacity. Neat design features enable folding within the width of the main chassis. Double articulation also means the elevator can be lowered sufficiently for windrowing of the crop.

T3 AVAILABILITY AND VIEWING

Following a testing and development program last year, STANDEN is manufacturing a small quantity of T3 harvesters for 2006, full series production will commence in readiness for the 2007 season.

T3 offers a cost effective alternative to a 2-row self-propelled harvester, or as an ideal replacement for two 2-row trailed machines. Growers and contractors interested in seeing the new 3-row at work are invited to contact Andy Reedman at STANDEN ENGINEERING 01353 661111.

Photograph attached:

T3 side view 1

T3 side view 2

T3 drivers view

T3 elevator folded

T3 forward view

T3 rear 3 quarter view

T3 rear view

FOR FURTHER INFORMATION ABOUT THIS PRESS RELEASE
PLEASE CONTACT:

ALEX MATHIAS (Marketing Director)

Office: 01353 661111

Mobile: 07836 541559

Email: awmathias@hotmail.com