

LOVE[®]

Introducing: The CG-100 Series Concord Grape Pre-Pruner

FEATURES

The LOVE CG Series 100 Pre-pruner is a hydraulically controlled mechanical pruner. It is designed to simulate the clean cut of a hand pruner as it lifts and extracts external lateral cane shoots and bull cane from single-curtain and double-curtain trellis systems. This promotes new bud growth above the cordon and discourages bud development below the cordon.

The LOVE CG Series 100 Pre-pruner is a side-mounted platform that can be mounted on a standard inter-row tractor or custom engineered to mount to a multi-function power unit.

Operated by two hydraulic cylinders, the LOVE CG Series 100 Pre-pruner is raised or lowered to maintain the same height as the cordon on the trellis and cants to provide the operator options in managing larger areas of the cordon. The horizontal distance from the cordon is determined by the driver and adjusted by moving the tractor closer to or further from the trellis.

The LOVE CG Series 100 Pre-pruner features four stages in cutting the cane. First a set of steel tines lifts the overgrown cane from the cordon towards the pre-cutter blades. Next the pre-cutter blades cut the lateral cane shoots. The third stage consists of two counter-rotating drums with rubber quilled "fingers" reaching into the remaining cane to align new and old growth. In the fourth and final stage, the finish-cutter blades cut the cane to a 4-8 bud count.

The forward motion of the tractor is balanced against the speed of cutting and desired pre-pruning effect. Average tractor speed is 176 feet per minute (@ 2 mph).

SPECIFICATIONS

Height	49 ½"
Width	44 "
Length	36 "
Weight	@ 500 pounds
Height extension range	@ 32 inches
Cantor range of motion	@ 30 degrees
Hydraulic operating pressures	@ 450psi (no load), 500-800psi (under load)
Variable speed controls	@ 3.5-6gpm (adapts to variety of ground speeds)
Flow controls	Spooled to 5gpm (responsive efficient control)

