



TopAir, Inc.

Onion and Garlic Equipment

S I M P L I C I T Y , E F F I C I E N C Y , E X C E L L E N C E



Onion and garlic growers all over the world rely on Top Air equipment to gently and efficiently harvest their crops. Carefully engineered

design, rugged construction and the finest components available combine to make Top Air harvesters second to none in performance and reliability. Our patented air topping system, which utilizes the reliable Schumacher linear sickle drive and our own high capacity fans, removes tops cleanly and blows most foreign material back onto the ground, resulting in cleaner loads to the packing facility.

To avoid overheating the tractor hydraulic system, all of our harvesters come equipped with a self contained, filtered hydraulic motor circuit powered by a direct coupled gear pump. Easily converted to either open or closed center, our electric over hydraulic solenoid valve with a compact control box makes machine operation simple and convenient. Other features such

as steerable struts with return to straight steering and discharge elevator shutoff are designed with operator efficiency in mind.

A wide open interior design allows for good visibility of important functions. Low maintenance and high reliability allow operators to spend more working time in the field with very little downtime.



Green Toppers

Mechanically harvesting the fragile summer or semi green onion has been virtually impossible in the past, forcing growers to utilize manual labor to harvest their crops. The Top Green onion harvester provides the solution to high costs associated with manual labor. The patented Top Green technology utilizes Teflon coated spiraled rolls with rubber finger strips to orient the onions tops down and transport them to the cutter head. As they pass through the cutter head the onions are indexed on domes which ensure a consistent cut neck length. Pairs of hydraulically driven circular blades, one side notched feeder blades and the other side a sharp cutter blade, cleanly sever the tops from the bulb. A post inspection table ensures virtually 100% topping efficiency at optimum capacity. Field proven in the Southwest, the

Top Green harvester has consistently delivered high quality, uniformly topped onions with minimal mechanical damage. The short uniform necks, approximately 1" in length, help reduce curing time in the field or at the packing facility. The standard bulk boom will load the tallest trucks or load bins on trailers with the bin sock attachment. Top Green harvesters are custom manufactured to fit any bed configuration and can be fitted with options to accommodate special conditions. Field baggers are available as a separate piece of equipment for those who want to cure in burlap bags. For high quality onions without the high costs of manual labor, choose Top Green onion harvesters.



Onion Equipment



Top Air is recognized as the leader in onion harvesting technology and our harvesters are known throughout the world for their performance and integrity.

Gentle handling of the onions, high topping efficiency, unsurpassed capacity and low maintenance make our harvesters the top choice of growers worldwide. All models can be manufactured to accommodate any bed width and can be custom fitted with several options to match special conditions. The one step method of topping and loading onions is state of the art in onion harvesting and the Top Air TL series has become



the standard of the industry. Engineered with features such as our signature vertical elevator, convenient inspection table and gently sloping discharge elevator, our topper loaders are miles ahead of the competition. Our larger models can harvest up to three tons per minute of clean, nicely topped, damage free onions. The two step method of onion harvest is still preferred in many areas of the world and the Top Air TW series of topper windrowers has always been the leader in this technology. Designed for better visibility and accessibility, the new generation topper windrowers still maintain the topping efficiency and high capacity of their predecessors. After topping, the higher profile design utilizes powered conveyors



Onion Equipment



to gently lower the onions back to the ground in windrows. Top Air loaders combine gentle handling with high capacity to efficiently get your onions out of the field and to the storage or packing facility. Single or double wide models are available with capacities up to three tons per minute.

Join the hundreds of satisfied Top Air customers and own the most popular onion harvester in the world.



Garlic Harvesters



Harvesting garlic is a unique process requiring specialized equipment to separate the garlic from dirt clods and foreign material. Top Air has designed and now manufactures two harvesters to

accomplish this process. The GW 4400 four bed windrower utilizes a rod lifter—shear bar combination to dig the garlic from the soil and a primary—secondary draper chain combination to help remove dirt. The patented Top Air topping system can also be installed to trim excessively long stems and blow out foreign material. The garlic is gently lowered back onto the ground in two side by side windrows for drying. The GL 2400 garlic loader was designed with three specific goals in mind: (1) to deliver garlic into bins that is virtually dirt free; (2) require minimal manual labor; (3) deliver a product that is extremely low in mechanical damage. This harvester has performed above and beyond all expectations and goals during extensive use in the San Joaquin Valley of California.



The GL 2400 uses air to gently loft the lighter garlic away from the dirt clods and onto a separate conveyor, while most chaff and foreign material is blown out the back of the machine. Our specially designed four chamber inspection table then allows workers on one side to pick a relatively small amount of dirt clods from mostly clean garlic and on



the other side to pick a relatively small amount of garlic from mostly dirt clods. The clean garlic is then bulk loaded into bins for transport to the facility.

MODEL	GL 2400	GW 4400	TW 2060	TW 2400	TW 4400	TL 2060	TL 2400	TL 3300	TL 3400	TL 2062	TL 4340	TL 4400	TW 1060 EXPORT	TL 2060 EXPORT	TL 2062 EXPORT
BED WIDTH	40"-44"	40"-44"	60"-72"	40"-44"	40"-44"	60"-72"	40"-44"	30"	40"-44"	60"-72"	34"	40"-44"	60"-72"	60"-72"	60"-72"
NUMBER OF BEDS	2	4	1	2	4	1	2	3	3	2	4	4	1	1	2
FAN SIZE	STD.	LARGE	STD.	STD.	LARGE	STD.	STD.	STD.	LARGE	LARGE	LARGE	LARGE	LARGE	LARGE	LARGE
FAN QTY.	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
SICKLE DRIVE	N/A	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR	LINEAR
STRUT MODEL	DUAL	DUAL	SINGLE	SINGLE	DUAL	DUAL	DUAL	DUAL	DUAL	DUAL	DUAL	DUAL	SINGLE*	DUAL	DUAL
STRUT TYPE	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER	STEER
STRUT QTY.	2	2	2	2	2	2	2	2	3	3	3	4	2	2	3
TIRE SIZE	9.5LX15	9.5LX15	11LX15	11LX15	9.5LX15	9.5LX15	9.5LX15	9.5LX15	9.5LX15	9.5LX15	11LX15	11LX15	9.5LX15	9.5LX15	9.5LX15
TIRE QTY.	4	4	2	2	4	4	4	4	6	6	6	8	2*	4	6
HP REQ.	90 HP	110 HP	80 HP	80 HP	110 HP	90 HP	90 HP	90 HP	110 HP	110 HP	130 HP	130 HP	80 HP	90 HP	110 HP
HYD. REMOTES*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PTO SPEED	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	540	1000	1000
FIELD LIGHTS	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION
SUN CANOPY	OPTION	N/A	N/A	N/A	N/A	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	N/A	OPTION	OPTION
TRASH CONV. BELTS	OPTION	N/A	N/A	N/A	N/A	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	N/A	OPTION	OPTION
ROD LIFTER NOSE	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION
PRIM. CHAIN PITCH**	36MM	36MM	2.00"	2.00"	2.00"	2.00"	2.00"	2.00"	2.00"	2.00"	2.00"	2.00"	1.56"	1.56"	1.56"
PRIM. CHAIN WIDTH	28"	28"	40"-52"	34"	34"	40"-52"	34"	24"	34"	40"-52"	30"	34"	40"-52"	40"-52"	40"-52"
REAR EL. CHAIN WIDTH	40"	N/A	N/A	N/A	N/A	40"	40"	40"	48"	48"	48"	48"	N/A	40"	48"
REAR EL. CHAIN PITCH**	42MM	N/A	N/A	N/A	N/A	64/72MM	64/72MM	64/72MM	64/72MM	64/72MM	64/72MM	64/72MM	N/A	45/50MM	45/50MM
PICK. ST. CHAIN WIDTH	54"	N/A	N/A	N/A	N/A	40"	54"	54"	54"	54"	54"	54"	N/A	40"	54"
PICK. ST. CHAIN PITCH**	42MM	N/A	N/A	N/A	N/A	50MM	50MM	50MM	50MM	50MM	50MM	50MM	N/A	45MM	45MM
DISCH. EL. CHAIN WIDTH	24"	N/A	N/A	N/A	N/A	40"	40"	40"	48"	48"	48"	48"	N/A	40"	48"
DISCH. EL. CHAIN PITCH**	42MM	N/A	N/A	N/A	N/A	50MM	50MM	50MM	50MM	50MM	50MM	50MM	N/A	45MM	45MM
OVERALL WIDTH****	11'6"	18'11"	9'3"	11'6"	18'11"	9'3"	11'6"	12'0"	15'0"	15'0"	16'0"	18'11"	8'6"	9'3"	15'0"
OVERALL HEIGHT****	10'6"	7'1"	7'1"	7'1"	7'1"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"
OVERALL LENGTH	22'6"	22'6"	22'6"	22'6"	22'6"	22'6"	22'6"	22'6"	23'2"	23'2"	23'2"	23'2"	19'10"	22'6"	23'2"
APPROX. WEIGHT	13,000#	10,000#	6,000#	6,500#	10,000#	13,000#	13,000#	14,000#	18,000#	18,000#	19,000#	22,000#	6,000#	13,000#	18,000#
APPROX. CAPACITY	20TON/HR	2AC/HR	1AC/HR	1+AC/HR	2AC/HR	2TON/MIN	2TON/MIN	2TON/MIN	2+TON/MIN	2+TON/MIN	2+TON/MIN	3TONS/MIN.	1AC/HR	2TON/MIN	2+TON/MIN

* W/ ROD LIFTER NOSE (2) W/ LEVELING STRUT (3)

** OTHER PITCHES AVAILABLE

*** DOES NOT INCLUDE DISCHARGE ELEVATOR

**** DOES NOT INCLUDE SUN CANOPY



Compare our quality and performance to any other equipment on the market and you will see that no one does onion and garlic harvesters better than Top Air.

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