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REPORT OF APPRAISAL AND RECOMMENDATIONS

CANTALOUPE PRODUCTION

CHOLUTECA, HONDURAS

December 3, 1984 to December 11, 1984

I. AGENCY AND CONTRACT

This report reviews a brief appraisal of the cantaloupe production in Choluteca, Honduras, authorized by a contract with the A.C.D.I. The contract covers observations made from December 3 - 11, 1984.

The objective of the contract is to provide A.C.D.I. in Honduras with analysis of cultural practices, in order to improve arrival conditions of cantaloupe crops.

This study was conducted in conjunction with Steve Smith (See: "Honduras Melon Project" covering the period of February 15 - 20, 1984).

II. PROBLEM AREAS AND RECOMMENDATIONS

In order to consistently achieve the highest level of both quality and quantity, for any crop, good cultural practices must be MAINTAINED.

A. Land Preparation

This is a critical area. The soil should be tilled and leveled to ensure even germination of seed. Additionally, it provides uniform distribution of precious water, and will aid in the conservation of this limited resource.

(SEE: Exhibits 1 - 5)

B. Cultivation

Cultivation serves three basic purposes:

1. holding in moisture,
2. killing weeds, and
3. aerating soil.

It is recommended that further examination should be made in this area to determine the best type of equipment to utilize. The determination should be based on size and contour of the land, as well as availability of equipment in the Choluteca area. In any case, wheel hoes and short-handle hoes would be two very useful pieces of equipment to stock.

(SEE: Exhibits 6a-f)

C. Irrigation

Proper irrigation methods, including timing, should be employed. It is extremely important that the farmers be well-instructed on this subject, due to the disastrous effects of over watering. Notwithstanding the loss of much needed water, plants may be stunned or possibly killed.

In some instances, there will be no need for any irrigation, or a single watering will suffice.

D. Seed

It is imperative that the integrity of seed quality is upheld. My recommendation is that State of California Food and Agriculture Department standards (which are amongst the highest in the World) be used in the selection of seeds.

E. Processing

The procedures being followed in the grading and packing of cantaloupe were found to be excellent, with one exception--the melons were being packed with the stem-side up. This was corrected during an inspection of the plant.

Another improvement was made by applying a second label, without jeopardizing the top grade. Some markets will pay a higher price for a fancier package, and others will buy a lower quality product for the least amount of money. This will provide a higher overall recovery.

F. Tools and Equipment

It is advisable to stock hand tools, in conjunction with a welder, torch set, forge, anvil and drill. Additional pieces can be obtained on an as-needed basis.

(SEE: Exhibits 7a-c)

These tools will assist in maintaining machinery at an efficient level, and the implementation of preventative maintenance will reduce down time. They can also be utilized to repair and build equipment which will help ensure increased productivity.

It must be emphasized that in addition to the above, these tools will also help to ensure the continual success of this operation.

An added benefit will be the upgrading of skill levels since more technical positions will be created through the training in the maintenance field.

There are presently employees at the plant who are very capable and have a basic working knowledge of some of the tools. With the addition of a few more tools, light manufacture of different machinery and equipment should be possible with very little training.

G. Loading

My recommendation is that they top ice every load with 1,000 to 1,500 pounds.

H. Refrigeration

In addition to the hydro-cooler, permanent refrigerated rooms are a necessity for keeping the melons cool after they have been chilled. Packed melons will be stacked in the ice boxes and will be segregated directly from the hydro-cooler.

The refrigerated vans that are in use now do not have sufficient capacity and design of equipment; they are not made for such an operation. The doors are left open with canvas hanging at the opening, releasing the chilled air. In this situation, the melons have a tendency to reheat because the vans are operating at a very low efficiency, probably not more than 10%.

I have consulted in this area as well as proven my knowledge in practical application.

(SEE: Exhibit 8)

III. SUMMARY

My experience in agriculture has included consulting in Central America, and I have found many failures were due to a limited amount of basic tools, equipment, and irrigation.

The approach I recommend is to incorporate the farming methods in California during the 1930's and 40's with the state of the art.

The preceding recommendations come from past experience and knowledge of small farms in California.

EXHIBITS

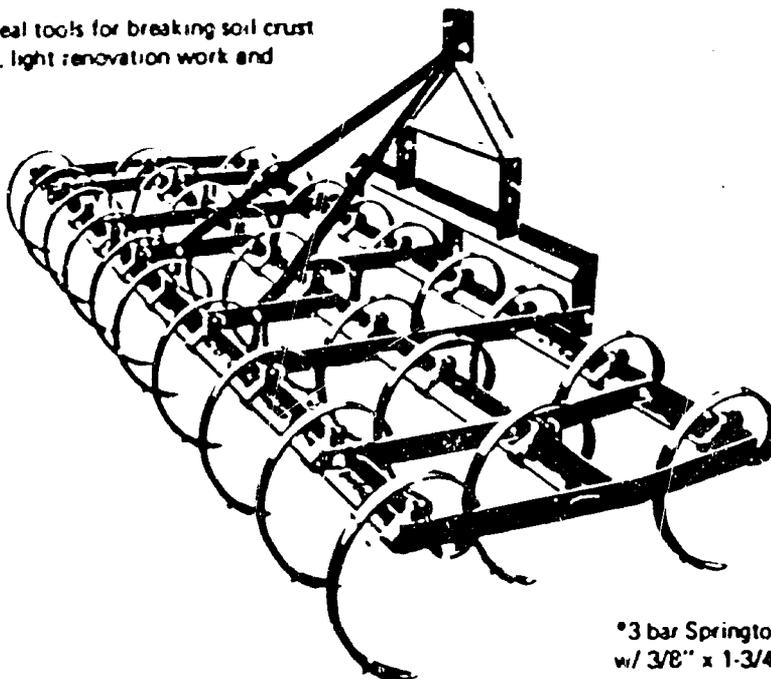
All Exhibits included in this report are for reference only,
none are intended as advertisements or endorsements.

SPRINGTOOTH HARROW

6' 8' 10'

WES-KED

Springtooth Harrows are ideal tools for breaking soil crust before planting, cultivating, light renovation work and soil preparation.



*3 bar Springtooth Harrow
w/ 3/8" x 1-3/4" shanks.

43 A SERIES

STOCK NUMBER	WIDTH	NO. SHANKS	CAT.	APPROX. LBS EACH	REPLACEMENT PARTS	
					SHANK	TEETH
43A-136	6'	13	I	401	220-2201	10-1101
43A-178	8'	17	I,II	506	220-2201	10-1101
43A-221	10'	22	I,II	617	220-2201	10-1101

OPTIONS AVAILABLE

STOCK NUMBER	DESCRIPTION	NO. SHANKS	LBS. EACH
43A-41	Pr. 1 ft. extension (adds 2')	4	100
43A-615	Pr. 1-1/2 ft. extensions (adds 3')	6	164

NOTE: Cat. II hitch is standard equipment on 43A-178 & 43A-221
These may be purchased with Cat. I hitch (no extra charge). Please specify when ordering.

Wes-Ked heavy duty harrows are fabricated from structural grade steel angles and high carbon steel bars. Main frames are of an all welded construction to prevent twisting and warpage. The frame hitch is amply braced for use in tough field conditions and all bolts are plated for durability and attractiveness.

Tough 3/8" x 1-3/4" alloy steel shanks and 1/4" x 2" x 9" reversible double end points are standard. Points and shanks are heat treated for maximum wear and durability. Clamps with single bolts permit quick and easy positioning of shanks along the angle frame member. Additional shank assemblies are available should a user desire closer shank spacing than normally supplied.

ASSEMBLY NOT INCLUDED

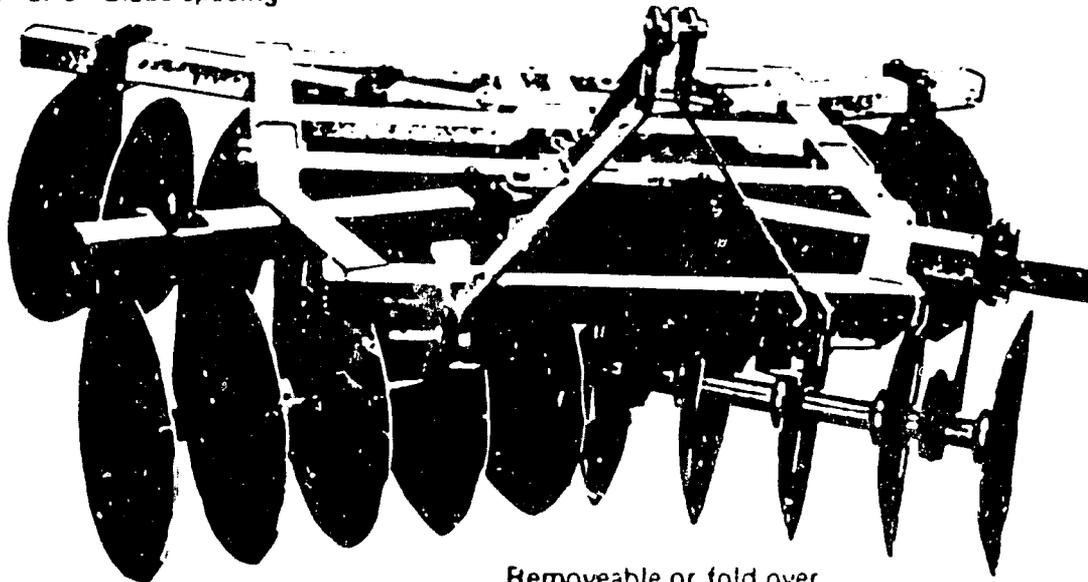
TANDEM DISC

22" BLADES - 7/8" SQ. GANGS

WESKED

FEATURES

- Heavy duty tubing
- Sealed bearings
- 7/8" sq. gang bolts
- 7-1/2" or 9" blade spacing



Removeable or fold over rear section for use as light or H.D. border disc.
"T" handle crank adjusts all gangs equally.

63 SERIES

STOCK NUMBER	WIDTH OF CUT	DISC BLADES			APPROX. LBS. EACH	OPTIONAL SCRAPER SET
		QTY.	DIA.	SPACING		
63-161	6'	16	22"	9"	964	63-169
63-201	7'	20	22"	9"	1130	63-209
63-203	6'6"	20	22"	7-1/2"	1014	63-219

OPTIONS AVAILABLE

- Scraper sets
- 63-220 9" blade ext., concave, less blade
- 63-221 7-1/2" blade ext., concave, less blade
- 20" smooth blades
- 20" notched blades
- 22" notched blades

To use as a light border disc,
disconnect rear section.

To use as H.D. border disc,
fold rear section over front section.

ASSEMBLY NOT INCLUDED

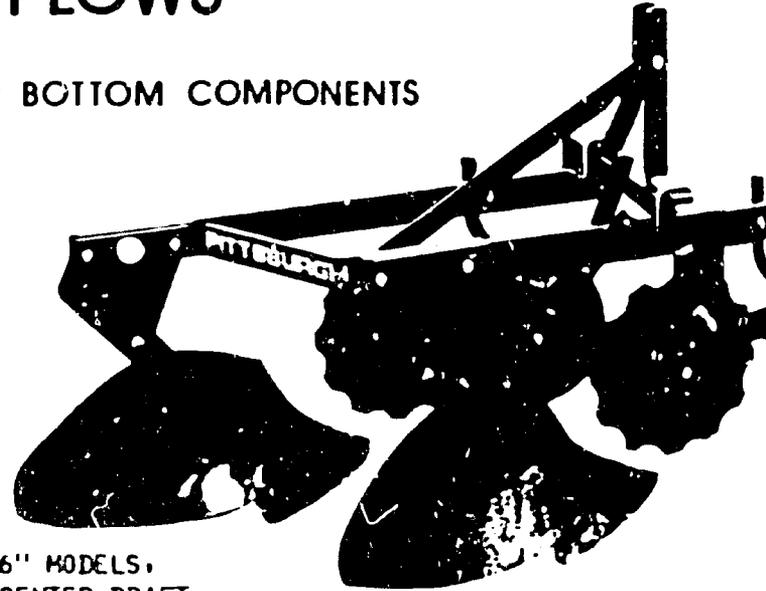
MEYER
WEST

PLOWS

1 AND 2 BOTTOM COMPONENTS

PITTSBURGH

Series 288 Econo-Plow



AVAILABLE IN 1 BOTTOM, 12", 14" OR 16" MODELS, CATEGORY 0 OR CATEGORY 1 HITCH WITH CENTER DRAFT AND WIDTH OF CUT ADJUSTMENTS, HIGH CARBON STEEL BEAM WITH 3/8" SHEAR BOLT, EASILY CONVERTED TO 2 BOTTOM 12" OR 14" MODEL BY ADDING EXTRA BEAM KIT, 15" NOTCHED COULTER AND 12" GAUGE WHEEL AVAILABLE AS OPTIONS.

PITTSBURGH Series 288 Econo Plows are designed to fit compact tractors up to 35 h.p. Yet, the construction and field operation of larger, more expensive plows has been engineered into the Econo Plow series. Front hitch are husky, high carbon steel for resistance to wear. And, you get "big plow" performance with feature adjustable cross shaft, handy width of cut adjustment, optional coulters and easily mounted gage wheel.

STOCK NUMBER	DESCRIPTION	SHIPPING WT.(LBS.)
PLOW FRAME WITH HITCH (Less Bottoms, Coulters and Gage Wheel)		
28800	1 Bottom Plow Frame w/Cat. 1 Cross Shaft. If Cat. 0 Hitch is desired, please specify. Also specify 7/8" Cat. 1 or 5/8" Cat. 0 link pins.	121
28801	2nd Beam Kit (Converts 1 Bottom Frame to 12" or 14" Two Bottom Frame) - order in addition to 1 Bottom Frame.	69
————— "LTD" LIGHT DUTY PLOW BOTTOMS —————		
28880	12" Solid - Front Landside	47
28881	12" Solid - Rear Landside with Heel	54
28882	14" Solid - Front Landside	50
28883	14" Solid - Rear Landside with Heel	57
28884	16" Solid - Rear Landside	60
————— COULTERS —————		
28840	15 1/2" Coultter Assy	24
————— GAGE WHEEL —————		
28847	12" Gauge Wheel Kit	30
————— HITCH KITS TO CONVERT UNITS IN FIELD —————		
28810	Cat. 1 Hitch Bundle	38
28875	Cat. 0 Hitch Bundle (Please specify 7/8" Cat. 1 or 5/8" Cat. 0 Link Pins)	34

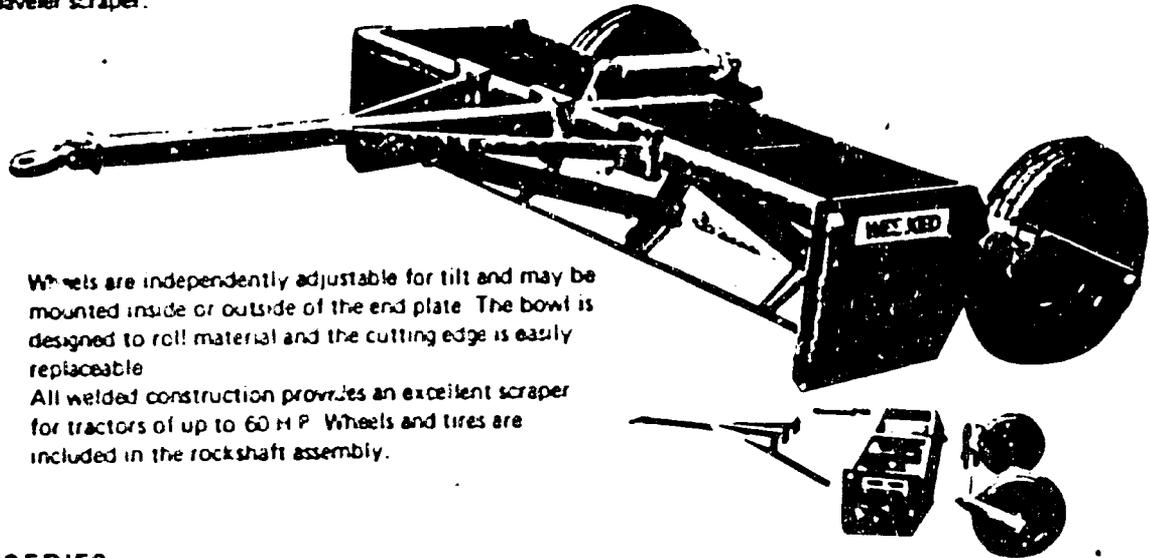
NOTE:
16" MODELS AVAILABLE IN ONE BOTTOM

COMBO SCRAPER

8' 10'

WESKED

Anyway you want it. A basic 3 point scraper for Cat. II Standard or Quick Hitch. Add rockshaft and wheels for depth or blade angle control. Or, add tongue for a complete leveler scraper.



Wheels are independently adjustable for tilt and may be mounted inside or outside of the end plate. The bowl is designed to roll material and the cutting edge is easily replaceable. All welded construction provides an excellent scraper for tractors of up to 60 H.P. Wheels and tires are included in the rockshaft assembly.

80 SERIES

STOCK NUMBER	DESCRIPTION	LBS. EACH	REPLACEMENT BLADE	CARRYING (CU. YDS.)
80-W-8	Bowl only, 8' cut	870	W8-126	1-1/2
80-W-10	Bowl only, 10' cut	1100	W10-127	2
80-W-3 Pt.	3 Pt. hitch, specify standard or quick hitch	95		
80-W-W-8	8' Rockshaft, wheels, tires	205		
80-W-W-10	10' Rockshaft, wheels, tires	240		
80-W-T	Tongue assembly	95		
308DB-ASAE	Cylinder	24		



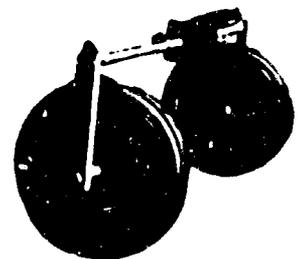
TONGUE ASSEMBLY



CYLINDER

OPTIONS AVAILABLE

- 3 Pt. hitch (std. or quick hitch)
- 8' Rockshaft, wheels, tires
- 10' Rockshaft, wheels, tires
- Tongue assembly cylinder



ROCKSHAFT, WHEELS AND TIRES

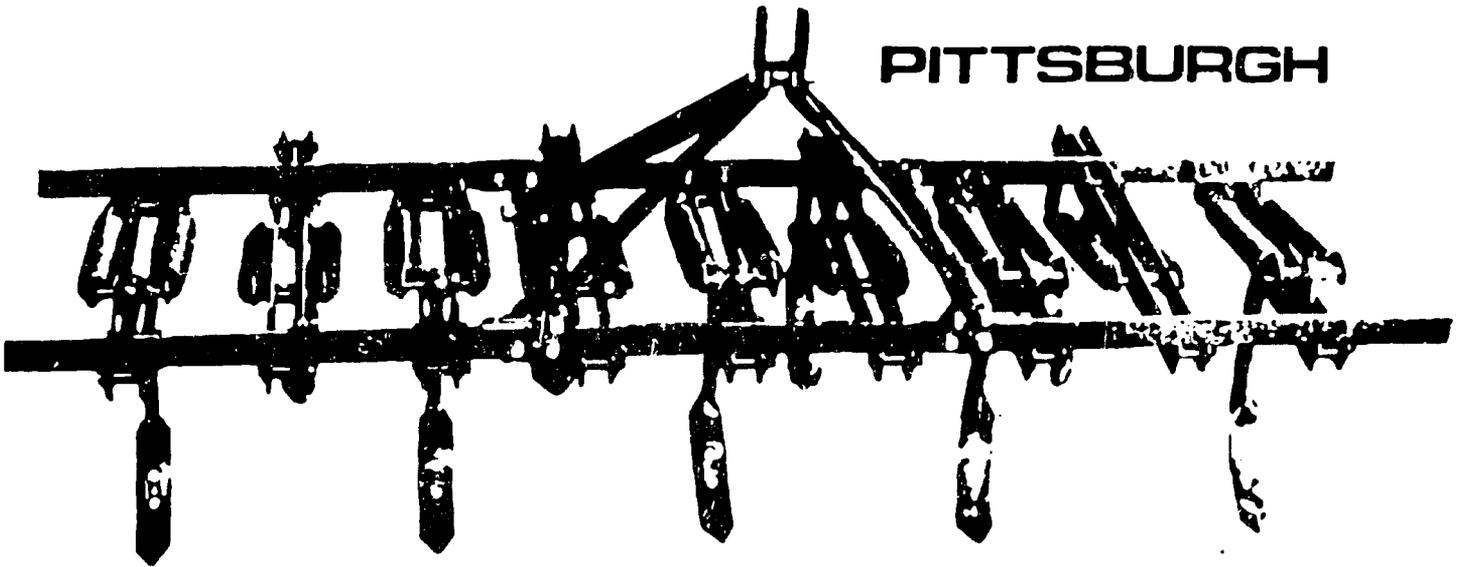
ASSEMBLY NOT INCLUDED

FIELD CULTIVATORS

EXHIBIT 5

LIFT TYPE

PITTSBURGH



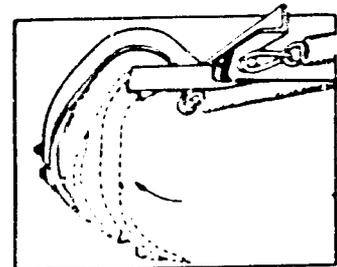
HIGH CARBON STEEL FRAME, FORGED HEAT TREATED SPRING TRIP SHANKS, HEAVY DUTY RESET SPRINGS, 2" REVERSIBLE SHOVELS, CATEGORY I 3 POINT HITCH.

Select the size
to fit your operation

Can be used with an applicator to apply anhydrous ammonia and to incorporate herbicides, for pasture renovation, as a landscaping tool, also ideal for use in rock and stump-filled fields.

Series 99

STOCK NUMBER	SHANKS		SIZE TOOLBAR	SHIPPING WT.(LBS.)
	FRONT	REAR		
10003	3	2	64"	252
9912	3	4	64"	315
9913	3	4	86"	337
9914	4	3	86"	335
9915	5	4	86"	396
9980	6	5	86"	462
10004	9	8	165"	1003

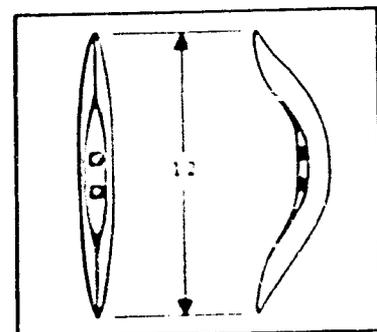


Adjustable shank will clear large obstructions

*MODEL 10004 FURNISHED WITH HEAVY DUTY REINFORCED FRAME AND CAT. II HITCH

OPTIONS AVAILABLE

STOCK NUMBER	DESCRIPTION
9952	12" alfalfa teeth in lieu of 2" shovels
9952	12" alfalfa teeth in lieu of 2" shovels
9952	12" alfalfa teeth in lieu of 2" shovels



for pasture operation 12" alfalfa teeth are available

M&W
Wes

The World's Most Efficient Garden Cultivator

LOCKHART SEEDS, INC.
POST OFFICE BOX 1361
5 N. WILSON WAY
STOCKTON, CA. 95205



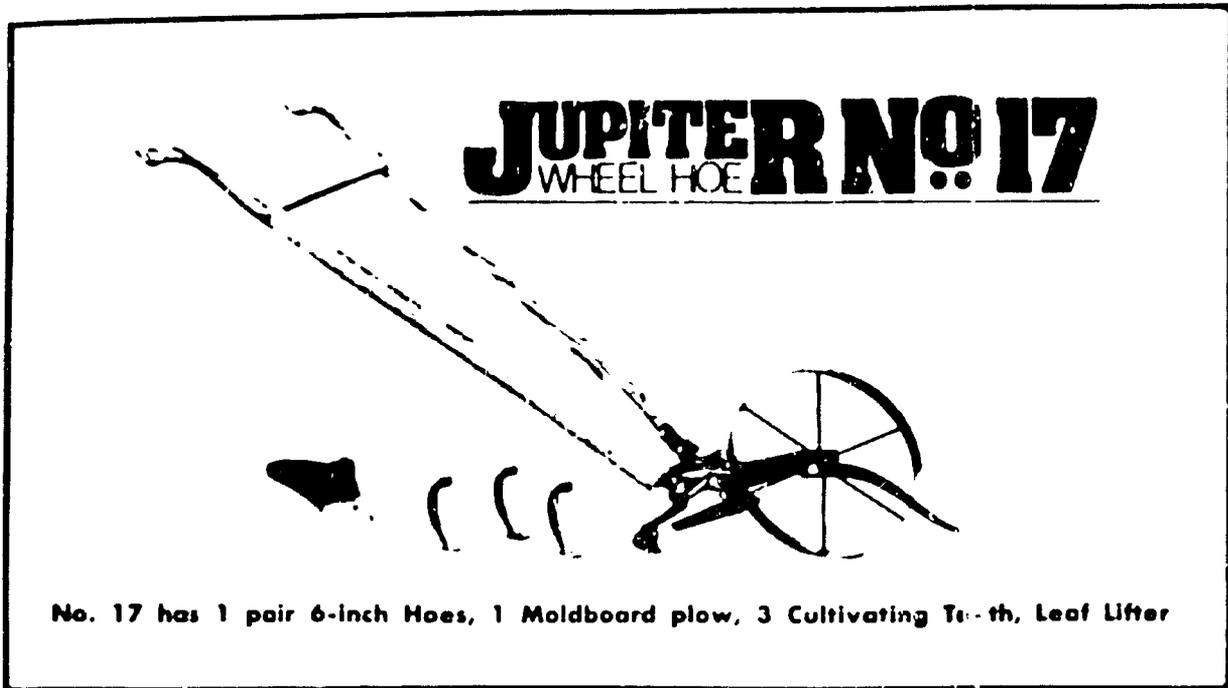
The Original Garden Cultivator for The Home Gardener And Commercial Grower

1. Weeds and cultivates 8-10 times faster than hand hoes
2. Features our unique 6" weed slicing hoes
3. Built to last a lifetime
4. Increases food production
5. Decreases energy output

Jupiter Wheel Hoes (formerly Planet Jr.) are the most versatile and dependable garden cultivators ever designed. We manufacture them with pride and care.

Your satisfaction guaranteed by
D.H. Tilmor Co., Box 256, Hinesburg, Vermont 05461

802-482-3104



Weeds
Cultivates
Furrows

Hills
Breaks Crusty Soil
Levels

Plows
Arrates
Marks Rows

1. The No. 17 Jupiter Wheel Hoe is built of the finest **quality** materials.

- a. White ash handles.....for strength and a comfortable grip
- b. Solid cast iron frame.....for durability and a well-balanced implement
- c. Steel rimmed wheel with welded spokes
and greased bearing.....for easy transport and long life
- d. Tempered steel, ground engaging tools.....for accuracy and sharp cutting edges

2. The No. 17 Jupiter Wheel Hoe is the most **versatile** garden cultivator ever designed.

- a. Slotted frame.....for adjusting tools to varying row widths
- b. Adjustable handles.....for persons of any height
- c. Adjustable wheel arms.....for regulating the depth of the ground tools at work

3. The No. 17 Jupiter Wheel Hoe is the most **efficient** gardening tool available.

- a. 15" wheel.....for maneuverability in tight spaces
- b. Handle/frame configuration.....for precise and accurate tool control
- c. 100 years of tool design refinement.....for increased gardening speed
- d. 6" Hoes.....for slicing weeds
- e. Duck foot cultivating teeth.....for weeding and aerating
- f. Moldboard plow.....for turning even heavy soil

Jupiter G Cultivating Tools



6" HCES
R.H. Part # S132R
L.H. Part # S132L



SPRING TOOTH
Part # 2210



NARROW
CULTIVATING TOOTH
Part # 2775



1" WIDE
CULTIVATING TOOTH
Part # 1452



DUCKFOOT
CULTIVATING TOOTH
Part # 1395



HILLING BLADES
R.H. Part # M8
L.H. Part # N8



10" SWEEP
Part # U9-3999

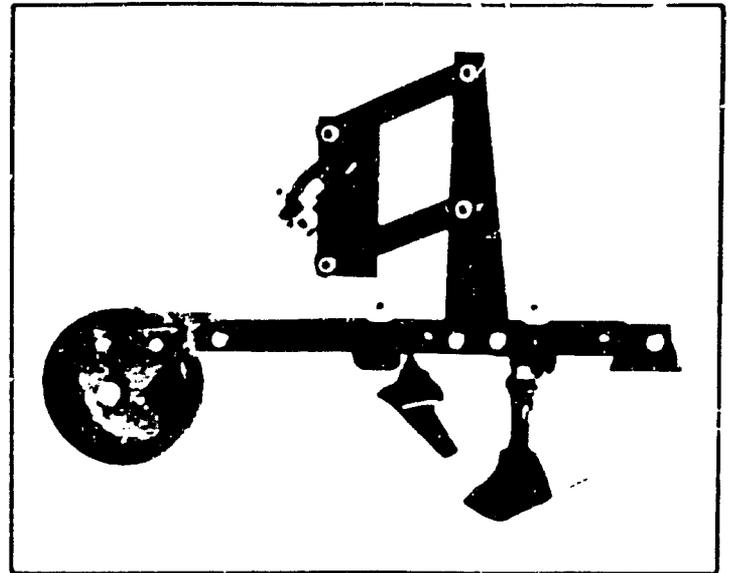


2" WIDE
CULTIVATING TOOTH
Part # U9-2



4" WIDE
CULTIVATING TOOTH
Part # U9-4

Jupiter G Cultivating Gang



CULTIVATE AND WEED WITH PRECISION AND ECONOMY

Our Jupiter G Cultivating Gang combined with our wide selection of Jupiter (formerly Planet Jr.) ground engaging tools will enable you to cultivate and weed with speed and efficiency in any type of soil. The G gang's rugged free-floating pivot arm mechanism insures precise weed control without gaps or gouges.

The Jupiter G Cultivator Gang is designed for performance, durability and economy. Some of its unique features are:

Non-clogging 'O' pressure tire.

Infinite ground tool spacing from 8-16 inches.

Adjustable ground tool depth, width, and angle.

Performance unaffected by tractor lift mechanisms or the number of gangs mounted.

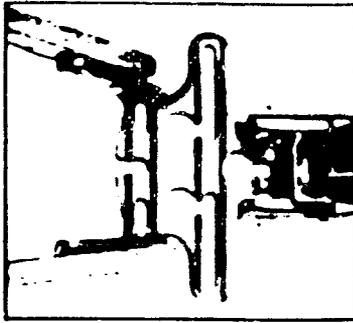
Mount the Jupiter G Cultivator Gang on your existing tool bar. We offer a variety of tool bar clamps.

Your Satisfaction is Guaranteed by:

D. H. TILMOR CO., INC., BOX 256, HINESBURG, VT 05461 (802) 482-3104

"We manufacture with pride and care"

The No. 17 Jupiter Wheel Hoe Features



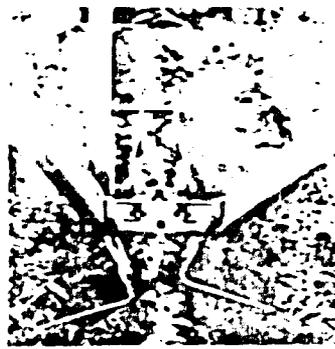
A solid cast iron frame. This is the heart of our product. It provides a completely rigid platform which firmly ties together the wheel, the handles and the ground engaging tools.

The No. 17 Jupiter Wheel Hoe Ground Engaging Tools

6" Slicing Hoes



(a) Working between the rows.



(b) Working both sides of row.

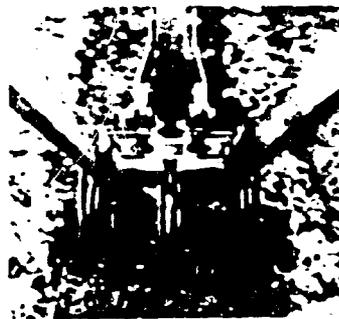


S-100 & S-101
Hoes

The Jupiter (Formerly Planet Jr.) 6" weeding hoes are the most effective tools ever designed for slicing weeds off below the ground surface. At the same time they prevent soil buildup around plants.

These 6" weeding hoes are used by home gardeners and commercial growers on both the No. 17 Jupiter Wheel Hoe and on tractor mounted gangs.

Duck Foot Cultivating Teeth



= 1395
Cultivator Teeth

The = 1395 Jupiter Duck Foot cultivating tooth is a design which has been unsurpassed for over 100 years in its ability to cultivate, aerate, and break up crusty soil with ease and speed.

Moldboard Plow



= R6
Plow

The R6 Jupiter Plow is a field quality moldboard plow, and a feature unique to the = 17 Jupiter Wheel Hoe. It will turn over, break up, furrow and hill even the toughest of soils.



Precision Hoeing



Easy to Transport



Pushes Easily



**Handles Adjust to
Any Height**



**Increases Food
Production**



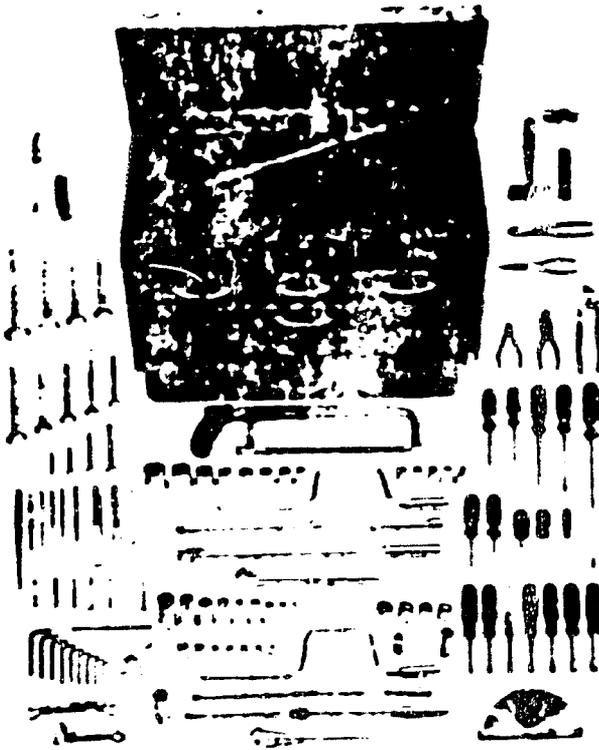
Easy to Store

WARRANTY

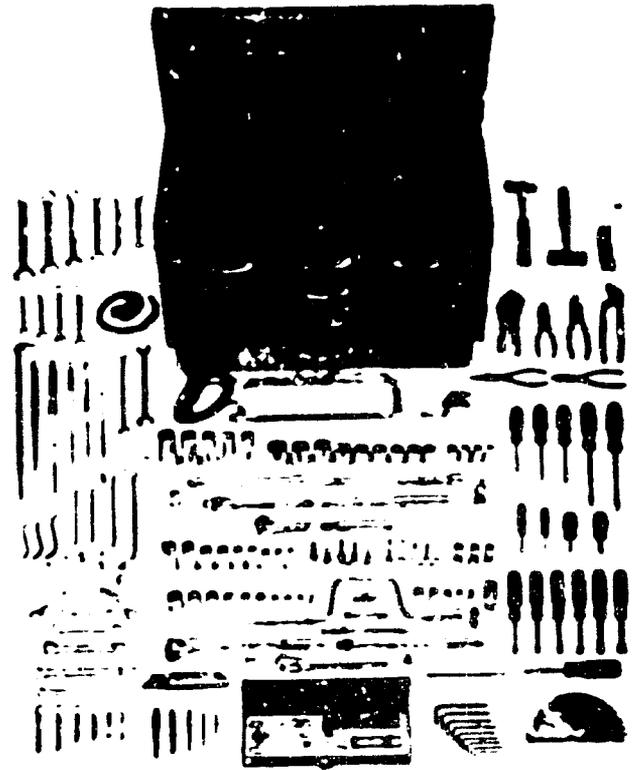
The D. H. Tilmor Co. of Hinesburg, Vermont, warrants all equipment that it manufactures for 1 full year.

Our company will happily replace, during the first year of use, any parts or assemblies that break or malfunction due to manufacturing defect.

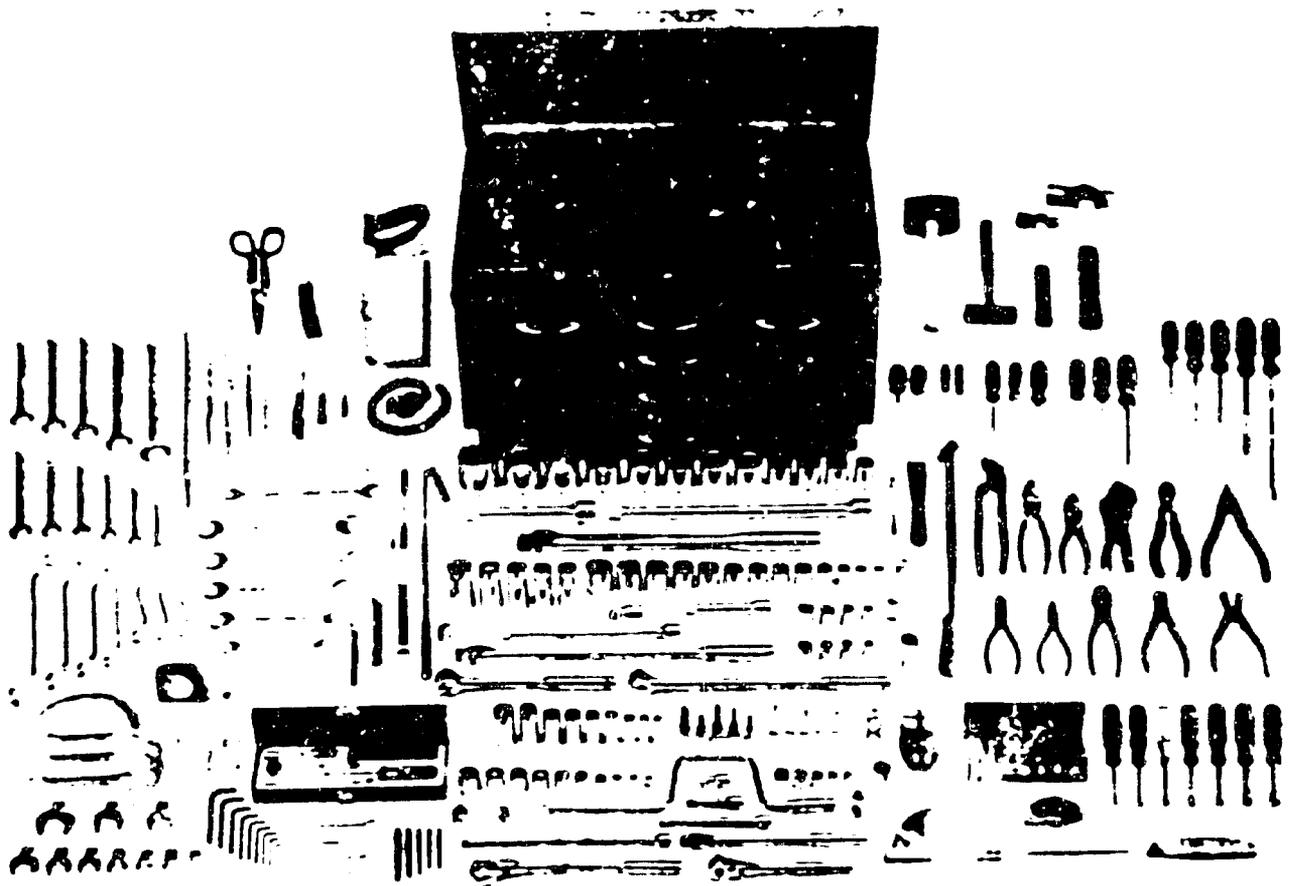
All Jupiter Wheel Hoe parts are interchangeable with Planet Jr. parts.
Shipping Weight in box is 25 lbs.



Tool No. 6650 117 pc. Starter Tool Set with Chest
Tool No. 6651 116 pc. Starter Tool Set without Chest



Tool No. 6652 173 pc. Super Set with Chest
Tool No. 6653 172 pc. Super Set without Chest



Tool No. 6654 252 pc. Master Tool Set with Chest
Tool No. 6655 251 pc. Master Tool Set without Chest

**LINCOLN
ELECTRIC**

IDEALARC[®] 250 amp AC or AC/DC ARC WELDING POWER SOURCE



UNDERWRITERS LABORATORIES LISTED

“Production Welder” Performance... ...“Shop Welder” Cost and Size

AC/DC Models for maximum flexibility or AC models at lower cost

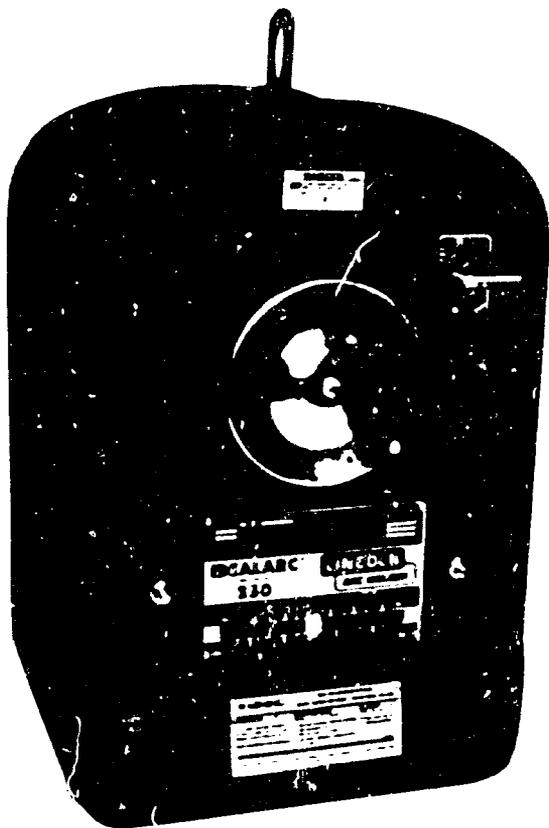
300 Amps maximum AC output — enough for the 3/8" Jetweld[®] iron powder electrodes

DC Output for maximum quality with every type electrode including low hydrogen, stainless steel, hardsurfacing, aluminum and bronze.

Outstanding Arc Stability — Its combination of high open circuit voltage and built-in stabilizer provide popout resistant welding with all AC electrodes, including those which normally require an industrial type AC welder.

Continuous Current Control dials the exact heat needed for each job. Settings are precise and free from creep.

Polarity Switch selects AC, DC+, or DC- with a twist of the wrist.



TIG Welding — The Idealarc[®], combined with the Hi-Freq, is an inexpensive equipment combination for part-time production or repair TIG welding of aluminum, magnesium, thin stainless steel and many space-age metals.

The Hi-Freq includes high frequency generator, gas valve and needed controls. It operates on 115 volt, 60/50 hertz AC power. A water valve (for water cooled TIG torches) is available as an optional feature (For field installation only).

HI-FREQ[®]



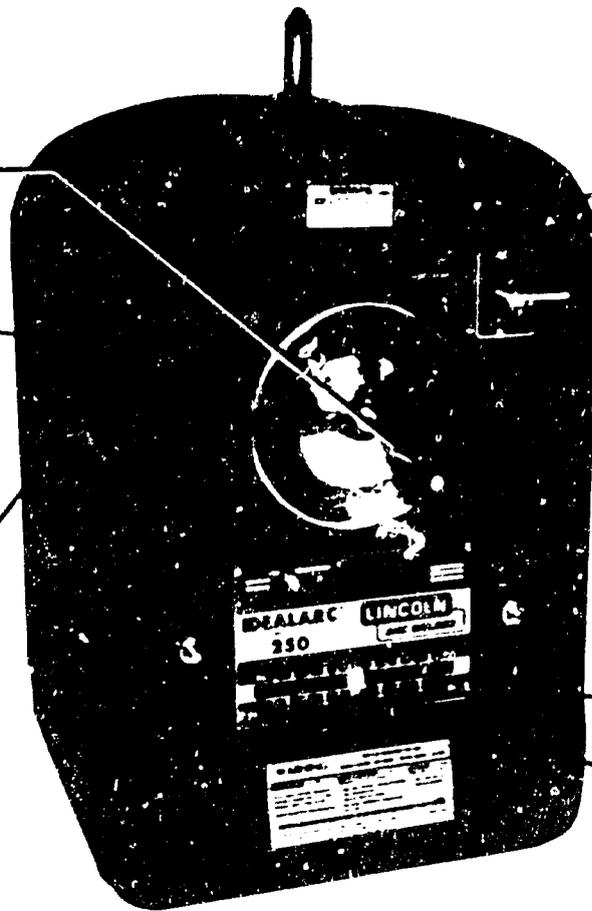
Continuous Current Control

On-Off Switch

Guaranteed Silicon Rectifiers
In addition, large safety margins, thermostat and special protective circuits prevent failures from transient voltages and high currents.

Positive Ventilation — Fan draws cooling air in the back, down over the rectifiers, through the transformer and out the side louvers

NEMA Rated



Recessed Front Panel protects controls

AC/DC Selector Switch

Weather Protected — Transformer, choke and rectifier assembly is dipped into a special sealing-insulating material for exceptional resistance to moisture and corrosive atmospheres.

Cable Strain Relief Loops protect studs and insulation

Direct Reading Current Indicator

OPTIONAL FEATURES

Power Factor Condensers

Reduce input amps by about 30% at rated load.

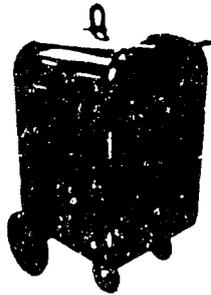
K-806 Undercarriage

Consists of a handle, front wheels, rear castors and mounting hardware. Overall width 25.76" (65.4 cm)

Hi-Freq™ (K-799)

Described and pictured on the front. Request Bulletin E385 for full details.

Standard Accessory Set (K-710) includes electrode holder, work clamp, electrode and work cables, and headshield with lens and cover glass.



SPECIFICATIONS

Model Type	60 hertz 50 hertz	AC Output Only	AC & DC Output
		AC 250 R 1051	250/250 R 1053 R 1054
Input Power Requirements — 1 Phase			
Standard Voltage @ 60 hertz		230/460*	230/460*
@ 50 hertz		220/440*	220/440*
Input Current @ 200 Amps 30 volts Output			
230/60 or 50 — With Condensers		45 amps	50 amps
230/60 or 50 — Without Condensers		68 amps	70 amps
330/50 — With Condensers		28 amps	30 amps
330/50 — Without Condensers		41 amps	42 amps
Dimensions Overall (H x W x D) — inches		30" x 20" x 21"	
Dimensions Overall (H x W x D) — centimeters		76.2 x 50.8 x 53.3 cm	
Net Weight — Without Condensers 60 hertz		292 lbs (132 kg)	342 lbs (155 kg)
Net Weight — Without Condensers 50 hertz		297 lbs (132 kg)	367 lbs (165 kg)
Output Specifications			
Current Range Amps		35-300	40-250
Rated Arc Volts		30	30
Max. Current for Each Duty Cycle **			
20%		300 amps	—
30%		250 amps	250 amps
50%		200 amps	200 amps
100%		140 amps	140 amps
Max. DCV Volts		72	70

*180 and other voltages available on special order

**Reduce duty cycle 50% for AC TIG welding at rated output

MODULAR REFRIGERATION SYSTEM

ADVANTAGES OVER CONVENTIONAL SYSTEMS

Our MODULAR REFRIGERATION SYSTEM (MRS) possesses many advantages over the conventional-type, stationary "cold boxes". The MRS is far more cost effective and energy efficient. Additionally, it can be disassembled with a minimum of effort, making it more salable as well as enabling you to move it in case of a change in your operation.

According to our estimates, the design and construction of the MRS should be 40-70% more energy efficient than the larger conventional cold boxes. The unitization coupled with the lower ceilings afford reduced levels of wasted energy. The loss of cool air from the units due to loading and unloading will be greatly reduced, also, since the design involves either manual or automatic shut off of the cooling systems while performing these duties.

The MRS allows you to turn on any combination of units. Whether at extremely low operational levels or peak capacity, you will only use the amount of energy necessary, as opposed to larger conventional units. These units must be run no matter what level you are operating at, therefore, potentially wasting a great amount of energy.

In the larger cold boxes, there are areas of expansion and contraction which can lead to cracks and, ultimately, leaks. These are not only caused by the type of construction, but also wind factors and other natural causes. The leakage can lead to approximately a 20-30% loss of energy.

Another area where energy is lost in the conventional type of refrigeration system is simply, open doors. The MRS requires that the door be shut to accomplish any cooling. Most large boxes have two doors to load and unload, unfortunately, there is a tendency to leave these doors open. In this situation, plastic curtains are left as the only barrier, which are only 20-50% efficient. Compounding the problem is heat emitted from lift trucks while moving pallets from cooling areas to holding areas. All of these factors lead not only to higher energy costs, but also carbon monoxide build-up.

The Modular Refrigeration System will reduce this waste as well as increase efficiency. This task can be accomplished by running only one of the three cooling systems in order to convert a cooling unit into a holding unit. By making this conversion, space is used to maximum efficiency. There is no moving of produce from a cooling to a holding area. Reducing the times produce is moved, reduces the chances of injury to the produce, cartons, and pallets, thus further reducing handling costs.

Another advantage is that it will not be necessary to seek a specialized repairman in a major city. They are rarely available when needed and often charge exorbitant fees. Our units can be serviced by local refrigeration technicians, both during and after warranty. We are willing to recommend reliable service representatives in your area, if desired.

The MRS is more dependable than the conventional cold box, so you will experience a minimum of down time. MRS-type units have been in use for over five years with very little maintenance. The occurrence of a major breakdown in the middle of the season is eliminated, since the probability of two, or more, of the cooling systems breaking down at one time is extremely low.

The Modular Refrigeration System was designed specifically for the produce industry. We took into consideration the type of commodity, the task of loading and unloading, plus the effects of different types of cooling systems on the produce.

Generally, cooling systems operate in such a manner that moisture is pulled out of the air and thrown completely out of the unit. All cooling systems pull moisture out of the produce. The MRS operates on a "natural draft cooling" principle. Moisture is recycled throughout the unit preventing any significant amount of moisture loss to produce.

Natural draft cooling involves the interaction of the cool air from the refrigeration system with the warmer air surrounding the packaged produce and the packaging itself. The cool air is "pulled" through the packaging, thus, cooling the produce. This circulation of air is natural draft cooling.

The MRS uses a high-velocity coil, keeping moisture loss at a minimum. There have been no problems experienced using this type of system. On the contrary, superficial "snotty noses" are healed, retarding bacterial growth, giving produce a better arrival appearance. In the past, air-conditioning-type coils, which actually dry the air, have been used successfully. The produce stored using this type of coil also had good arrival appearance.

Past experience has proven that this type of system maintained high humidity levels without extreme drying effects. We believe that by using these guidelines, we have developed the most effectual system available.