

## Optional attachments (sold separately)

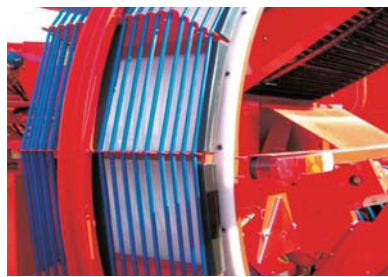
\*These photos show the TPH7U model.

### Roll-up chute

This roll-up chute for containers minimizes the height from which potatoes will fall and reduces potato wounds and bruises.



1. Make the chute into a bag and lower it so as to minimize the height from which potatoes will fall. 2. Gradually lower the bag and open the bottom of the chute to evacuate the potatoes. 3. When the container gets full, lift up the chute frame.



### Polymer guide plate

Polymer resin prevents soil from sticking to the guide plate, reducing the amount of scratching on potatoes.



### Carrot digging share

This optional carrot digging share is attached to the crop intake section when harvesting carrots. It is used to harvest carrots after the haulms and leaves of the carrots are cut with a chopper or other tools.

\*These photos show the TPH7U model.

## Specifications

Type	TPH55H	
Standard	One ridge (for seeds, eating or processing)	
Style	Tractor trailed, tanker	
Length	6,450 mm	
Width	3,000 mm (5,100 when operating)	
Height	3,100 mm (2,800 when operating)	
Weight	2,810 kg	
Applicable tractor	40.5 kW (55PS) or more	
Attaching method	Linkage drawbar, JIS D6705 2 type or its equivalent	
Crop intake section	No. of ridges	1 (width: 660 - 850 mm)
	Digging shares	4-piece digging shares (edge width: 713 mm)
	Disc coulters	Round (diameter: 610 mm)
	Intake roller	Drum (diameter: 620 x 320 mm)
Digging depth adjustment	Adjustment by intake roller (automatic correction according to ridge undulation)	
Haulm separation		Double extracting roller and inverse rotating hedgehog web
Moving floor bunker	Capacity/style	2.2 m <sup>3</sup> , hydraulic fold/hydraulic-driven unloading web
	Outlet height	3.0 m
	Chute	Sold separately (hydraulic roll-up chute)
Small potato bunker	Capacity/style	0.2 m <sup>3</sup> , manual dropping
Very small potato bunker	Capacity/style	0.45 m <sup>3</sup> , hydraulic dump
	Maximum outlet height	2.2 m
Travelling section	Tire size	9.00 - 20 10PR
	Track tread	216, 225, 240, 255 cm (slide type)
	Steering system	Hydraulic power steering
Performance	Work speed	1.4 - 2.9 km/h
	Work efficiency	8.6 - 17.7 a/h (ridge width: 72 cm; efficiency: 85%, varies depending on the work conditions)

Please note that specifications provided here may change without notice due to product improvements or other reasons.

Website: <http://www.toyonoki.co.jp>

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We are your agri-partner.



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# TPH55

## POTATO HARVESTER



**Reducing gaps among all webs  
Lightweight potato harvester  
with a medium-sized main bunker**

**TPH55**  
POTATO HARVESTER

# Light, compact and mobile potato harvester that is easy to handle on slopes and weak ground

With a wide picking table and the three-stage sorting mechanism, this machine is designed for harvesting high-quality potatoes.

## Operating levers



Operating levers for all hydraulically controlled operations are located at the front of the machine and can be easily operated by the tractor driver by reaching behind the driver's seat.

## Power steering axle



This hydraulic power steering axle improves turning ability in field headlands and workability on slopes or uneven ground, enhancing work efficiency. The track tread can be adjusted to 216, 225, 240 or 255 cm, to respond to a variety of ridge widths.

## Intake roller



This intake roller keeps the digging depth constant and automatically adjusts the depth based on the undulation of the ridge. This mechanism reduces damage to potatoes/sweet potatoes and the amount of

potatoes/sweet potatoes left uncollected in fields. After setting the digging depth for the first time, people can continue to work without reconsidering digging depth as long as the ground conditions remain unchanged.

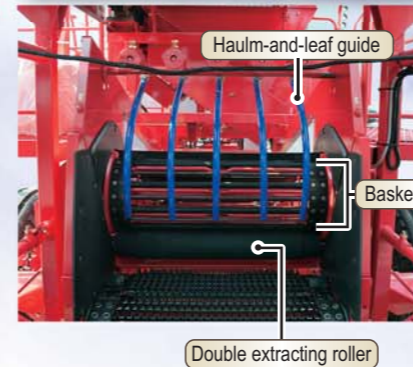
## First main web



To prevent potatoes from tumbling and jumping, the first main web is equipped with rods with short rubber plates and the web is designed to have a gentle slope. The side walls of the web are made of polymer resin so that soil does not stick to

them, preventing potatoes from being scraped and reducing friction in the web's belt.

## Double extracting roller



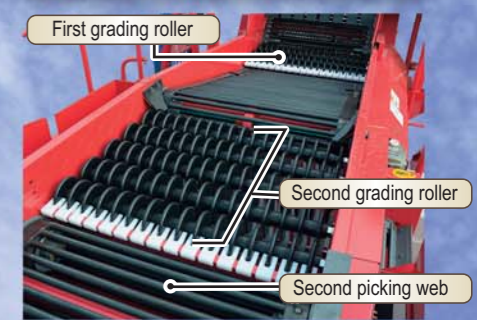
Large haulms and leaves are ushered by the haulm-and-leaf guide to the area between the last basket pulley and the double extracting roller on the first main web, and discharged below the web.

## Lifting bucket



Potatoes as well as remaining haulms/leaves, stones and clods are sent to the upside of the harvester by the lifting bucket, a process during which small stones and clods are separated and fall onto the field. Small haulms and leaves sent up by the lifting bucket along with potatoes are carried on the inverse rotating hedgehog web and discharged backward, thus most haulms/leaves are removed.

## Picking web



The picking web has a wide picking table where four people can comfortably perform sorting. Stones and clods are separated by the first grading roller on the picking web, and fall onto the first main web. After this, potatoes are automatically separated by the second grading roller into three types (produce, small and nonstandard small potatoes), before people do the final sorting manually on the second picking web.

## Very small potato bunker



Nonstandard small potatoes that are dropped by the second grading roller are stored in the very small potato bunker (0.45 m<sup>3</sup>).

## Small potato bunker



The small potatoes that are dropped by the second grading roller are stored in the small potato bunker (0.2 m<sup>3</sup>). The potatoes are evacuated from the bunker by manually opening the bottom of the bunker and moved to a container.

## Moving floor bunker



Produce potatoes are eventually stored in the moving floor bunker (2.2 m<sup>3</sup>). When the potatoes fall into the moving floor bunker, the ultra chute at the tip of the picking web is used to minimize the height from which the potatoes will fall, reducing damage to potatoes. Potatoes are evacuated by rotating the hydraulic motor-driven unloading web on the bottom of the moving floor bunker.

