For Earth, For Life



Official Launching of CARD 2nd Phase



2019/8/30 KUBOTA Corporation

©2019 Kubota Corporation All Rights Reserved.

For Earth, For Life Japanese mechanization for Rice production





For Earth, For Life Improvement on Productivity & Yield for rice production in Japan



(Sources: Ministry of Agriculture, Forestry and Fisheries of JAPAN)

Combine Harvester for Tanzania

DC-

70H/G

69ps

2075

High

1.85

620x

1650

500x

1700

325

5



©2019 Kubota Corporation All Rights Reserved.

*The product specification is subject to change without prior notice.

Farmers' Benefit of Combine Harvester



*Actual figures may vary based on crop, field and operators skill conditions.

Farmers' Benefit of Combine Harvester

Manual Harvesting	Combine Harvester		
Missing out a Good Harvesting Time	Keep a Good Harvesting Time		
	Hand reaping: 0.4 ha/day * by 10 staffs brooping crop: 2.2 ha/day		
Low efficiency (0.4ha/day, 10 staffs) often cause missing out a good harvesting time, which cause grain damage and increase of grain loss.	Efficiency grows and farmers can harvest at a best time for their paddy fields		

*Actual figures may vary based on crop, field and operators skill conditions.

Farmers' Benefit of Combine Harvester



*Actual figures may vary based on crop, field and operators skill conditions.



For Earth, For Life

Combine Harvester User Satisfaction

Recommended Kubota Power Tillers

For Earth, For Life



PEM480

Rotary type (14hp) For the multiple operations



	Model	NC-Plus	PEM480
Till	ing method	Plough	Rotary/Plough
Speed		3F/1R	6F/2R
Power		8-14hp	14hp
Dimension (With cage wheel)	Width	1050mm (1200mm)	861mm (1061mm)
	Length	2960mm	2425mm
	Height	1220mm	1067mm
Weight	Power Tiller	215 kg	227 kg
	Engine	107 kg	116 kg
	Total	322 kg	343 kg
Capacity	Wet field	7.0hr/ha	5.4hr/ha
	Dry field	8.3hr/ha	9.2hr/ha
Engine	Main Model	RT120	RT140DI
	Max. output	12hp/2400rpm	14hp/2400rpm
	Displacement	624cc	709cc

©2019 Kubota Corporation All Rights Reserved.

10

*The product specification is subject to change without prior notice.

Introducing Power Tillers to West Africa



- Power Tiller with Kubota Engine was **certified by NCAM**, Nigeria in 2015. (NCAM : National Centre for Agricultural Mechanization)
- The engineers of NCAM was trained at Kubota Indonesia.

Power Tiller - **G1000 Boxer** (Manufactured by CV. KHS, Indonesia) Diesel Engine - **RD110DI-2S** (Manufactured by Kubota Indonesia)



[Field test at NCAM, Ilorin, Nigeria, May 2015]

Introducing Power Tillers to West Africa



• Kubota engine mounted power tillers were supplied to IOM project in chad.

Power Tiller - **G1000 Boxer** (Manufactured by CV. KHS, Indonesia) Diesel Engine - **RD110DI-2S** (Manufactured by Kubota Indonesia)



[Field test in Chad by NCAM, November 2017]

Tractor for Africa

For Earth, For Life

Image: ApplicationImage: ApplicationImage	Model	B series	L series	M series
Engine Power18-23hp34-45hp70-130hpTarget cropVegetable, Tomato, Coffee, Cacao, Flower, FruitPaddy field, Vegetable, Cereal, FruitVegetable, Wheat, Dairy farmer, Viney FruitApplicationTrailer, Sprayer, Mower, Rear cutterCultivation, Leveling, TrailerTrailer, Sprayer, Cultivation, Rear cutter				
Vegetable, Tomato, Target cropVegetable, Tomato, Coffee, Cacao, Flower, FruitPaddy field, Vegetable, Cereal, FruitVegetable, Dairy farmer, Viney FruitApplicationTrailer, Sprayer, Mower, Rear cutterCultivation, Leveling, TrailerTrailer, Sprayer, Cultivation, Rear cutter	Engine Power	18-23hp	34-45hp	70-130hp
Application Trailer, Sprayer, Mower, Cultivation, Leveling, Rear cutter Trailer Cultivation, Cultivation, Rear cu	Target crop	Vegetable, Tomato, Coffee, Cacao, Flower, Fruit	Paddy field, Vegetable, Cereal, Fruit	Vegetable, Wheat, Corn Dairy farmer, Vineyard, Fruit
	Application	Trailer, Sprayer, Mower, Rear cutter	Cultivation, Leveling, Trailer,	Trailer, Sprayer, Cultivation, Rear cutter
Positive feedback• Short turning radius • Comfortability • Light weight • Lower fuel consumption• Higher quality • Water resistance • Light weight • Light weight • Lower fuel consumption• Short turning radiu • Comfortability • Light weight • Lower fuel consumption	Positive feedback	 Short turning radius Comfortability Light weight Lower fuel consumption 	 Higher quality Water resistance Light weight Lower fuel consumption 	 Short turning radius Comfortability Lower fuel consumption

*The product specification is subject to change without prior notice.

Movie (Combine Harvester in Tanzania)



Proposed Plan

by Working Group on Agriculture, Africa Business Council

2019.8.30

©2019 Kubota Corporation All Rights Reserved.

Africa-Japan Innovation Center for Modernized Agriculture



[Overall Goal Toward 2030]

Improvement of agriculture productivity / quality of agricultural products

through dissemination of <u>life-time cost-effective Agricultural Materials</u>, <u>Machines</u>, <u>Technologies of Japan/Africa...</u>

Establishment of an Innovation Base for Experiment and Demonstration of Modernized Rice and Horticulture Business & Human Resource Development for Extension





- **3. Recommendations for** agricultural mechanization policies, strategies, and plans
- 4. Training for African stakeholders



For Earth, For Life

Thank you very much!

KUBOTA Corporation

©2019 Kubota Corporation All Rights Reserved. 18