



SIMBA

Great Plains

TOGETHER WE'RE EVEN STRONGER



PRODUCT GUIDE

APRIL 2011



TOGETHER WE'RE EVEN STRONGER

INDEX

SIMBA

Stubble Cultivators

Introduction	Pages 1 – 4
DTX 300	Page 5
SLD - Deep Tined SL	Page 6
SL 400/500/600	Page 7
SL 700	Page 8
Solo – Pro-Lift Models	Page 9
Mounted TL	Page 10
Disc Harrows	Pages 11 – 12
Mounted X-Press	Page 13
ST Bar	Page 14
Trailed X-Press	Page 15

Presses

Introduction	Pages 16 – 17
UniPress	Page 18
CultiPress	Page 19
Single Press	Page 20
Double Press	Page 21

Subsoilers

Introduction	Page 22
Flatliner Hydraulic Reset	Page 23
Flatliner 500	Page 24

Technical Advice	Page 25
-------------------------	---------

SPECIAL NOTE: Horsepower Requirements

It is important to correctly match your implement(s) to your tractor for optimum performance. In most instances throughout this catalogue two power ratings are listed, MIN to MAX. You should never operate Simba machines with a tractor more powerful than the hp quoted.

STUBBLE CULTIVATORS

From compact to high specification offset disc harrows, shallow to deep tine combination cultivators to tine only machines, Simba offers a wide range of proven cultivators from 2.5-10m working widths.

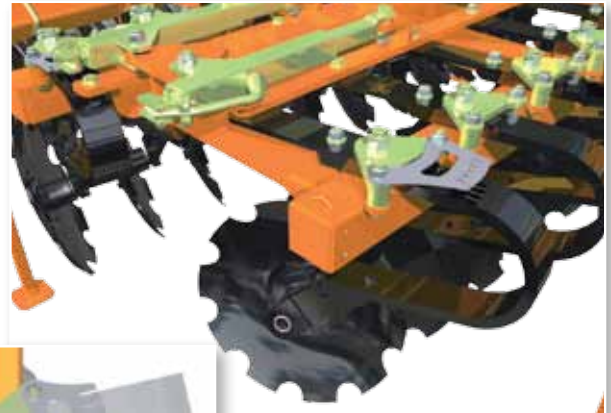
X-Press

The Simba X-Press is a compact disc harrow with an integrated press roll. The machine is therefore very versatile and is designed to perform shallow cultivations at high speed. It can be used in reduced cultivation systems to incorporate stubble or to work down ploughing in more conventional systems.

Available in 2.5m, 3m, 3.5m and 4m as mounted machines and 4m, 4.6m, 5.5m, 6.6m, 8m & 10m as trailed units, the power requirement starts at 70hp.



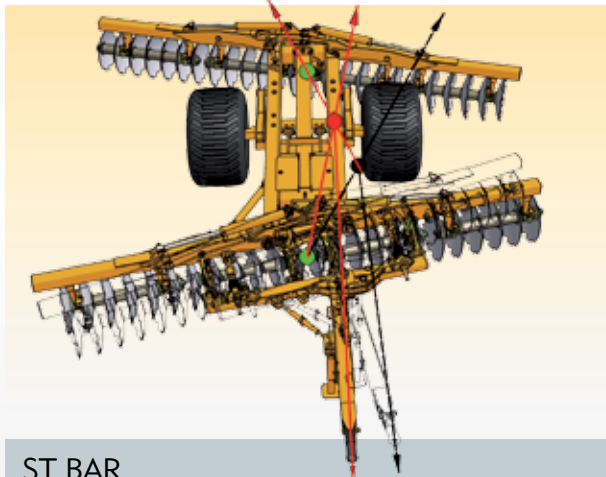
All models are fitted with Pro-Active disc units offering improved stone protection and superior contour following with a trip height of 120mm. Penetration is achieved in hard conditions by adjustment of the gang angles and not by weight transfer from the rear roller.



Consolidation is therefore not compromised. This angle adjustment also allows for minimal cut when, for example, breaking down ploughing.

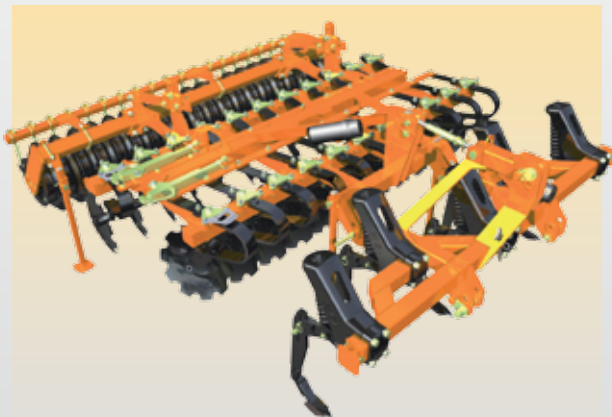
Series 2B & 23C

The Series 2B & 23C disc harrows are high specification heavy duty offset units designed for primary cultivations, including straw incorporation and secondary cultivations on medium to heavy land. Available in 3.25 – 7.1m working widths with power requirements starting at 110hp. All models are fitted with rigid disc gangs with disc diameters from 650-700mm with 250-300mm spacing.



ST BAR

One pass cultivators for light to medium soil with a combination of tine, disc and roll elements start by mounting the ST BAR in front of a mounted X-Press. This produces a one pass cultivator with a maximum working depth of 250mm ideal for tractors from 120hp. Available in 2.5m, 3m, 3.5m & 4m mounted versions it offers a flexible entry level machine.



SL

For wider working machines the SL range of cultivators are available in 4m, 5m, 6m and 7m models. The Disc Tine Disc format (DTD) has a single row of Pro-Active disc units followed by 2 rows of ST tines, another set of discs and a new generation 600mm DD Lite rear roller. The LD (low disturbance) tines can be fitted in lieu of the ST Tines or supplied as an extra set at the time of order.

All models are available with full European road lighting kits and hydraulic brakes fitted as standard. OSR Applicator Kits and air brakes are available as an option across the range.



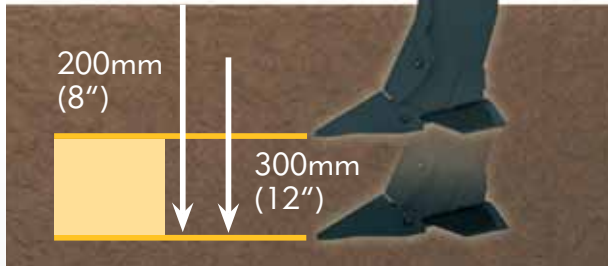
DTX

For deeper working one pass cultivators in heavy soil the DTX300 starts the range with a 3m working width. Fitted with 5 Pro-Lift tines for effective soil loosening down to 400mm followed by 2 rows of Pro-Active 510mm discs and a 200mm wide spaced DDL600 roll it gives a compact mounted machine capable of being handled with 200-300hp tractors.



SLD

Hydraulic Reset Subsoiler
Tines with Pro-Lift Point



For larger areas the SLD range consists of two machines with working widths of 4.6m & 6.0m. A front row of Pro-Active 600mm diameter discs are followed by Pro-Lift tines with a maximum working depth of 300mm, a further row of 600mm Pro-Active discs and rear DD700 roll.

TL

With a maximum working depth of 300mm the TL offers a 'tine only' alternative to disc based cultivators. 3 rows of tines with a 300mm net spacing give complete soil movement across the working width, followed by a single row of leveling discs and either an open bar cage or DDL550 roll.



DTX 300

- Mounted unit
- Working width 3m
- 5 Pro-lift tines
- Working depths 250mm-400mm maximum
- Two rows of adjustable discs, 500mm in diameter, net spacing 125mm
- DD Lite rear roller - 600mm diameter, 200mm spaced DD rings
- Weight 2,600kgs

Model	Width	No. of Tines	HP
DTX300	3m	5	200-360

OPTIONAL EXTRAS

- Low Disturbance legs (LD) in lieu of ST legs
- OSR 6 kit
- Aqueel II Roller in lieu of DD Lite



SLD - DEEP TINED SL

- Disc diameter 600mm
- Disc spacing (net) 125mm
- Working depths of tines 0-150mm below disc depth
- Tine type Pro-Lift – hydraulic reset
- DD rear roller 700mm diameter, 230mm DD ring spacing
- Transport width 3.0m
- Hydraulic brakes
- Full European road lighting kit

Model	Width	No. of Tines	Tine Spacing	Power (hp)
SLD460	4.6m	7	665mm	300-650
SLD600	6.0m	9	665mm	400-650

*Additional models for 2011

OPTIONAL EXTRAS

- OSR 8 Kit
- Brake Kit – Air (in lieu of hydraulic)
- Cat 5 shackle (in lieu of Cat 4)
- Rear drawbar c/w four hydraulic pipes



SL 400/500/600 MODELS

Disc Tine Disc (DTD)

- Disc diameter 500mm
- Disc spacing (net) 125mm
- Working depths of tines 150-250mm
- Tine type ST - spring loaded
- DD Lite rear roller – 600mm diameter, 200mm DD ring spacing
- Transport width 2.7m
- Cat 3 linkage pull
- Hydraulic brakes
- Full European road lighting kit
- Rear drawbar c/w four hydraulic pipes*
- Tyre Size 500/50-15, 14ply

Model	Working Width	Weight (kgs)	No. of Tines	Tyre Size	Power (hp)
SL 400	4.0m	5,850	10	500/50-15	200-360
SL 500	5.0m	7,400	12	500/50-15	250-420
SL 600	6.0m	8,400	14	500/50-15	300-420

OPTIONAL EXTRAS

- 150mm DD ring spacing
- Low Disturbance legs (LD) in lieu of ST legs
- Low Disturbance legs (LD) additional
- Brake Kit - Air (in lieu of hydraulic)
- OSR 8 kit
- Cat 4 linkage pull (cross plate) +
- Cat 4N linkage pull (cross plate) +
- Drawbar in lieu of linkage pull (Cat 3 shackle)
- +Cat 4 shackle (in lieu of Cat 3)

* Certain loadings apply - contact your dealer for clarification
+ Supplied in addition to standard linkage



SL 700 MODEL

Disc Tine Disc Format (DTD)

- Disc diameter 600mm
- Disc spacing (net) 125mm
- Working depths of tines 150-250mm
- Tine type ST - spring loaded
- DD rear roller 700mm diameter, 230mm DD ring spacing
- Transport width 3.0m
- Cat 4 shackle
- Hydraulic brakes
- Full European road lighting kit
- Rear drawbar c/w four hydraulic pipes*
- Covering disc
- Tyre size 700/50 - 22.5, 16 ply

Model	Width	Weight (kgs)	No. of Tines	Tyre Size	Power (hp)
SL 700	7.0m	11,500	16	700/70-15	400-600

OPTIONAL EXTRAS

- Low Disturbance legs (LD) in lieu of ST legs
- Low Disturbance legs (LD) additional
- Brake Kit - Air (in lieu of hydraulic)
- OSR 8 kit
- Cat 5 shackle (in lieu of Cat 4)
- Caster wheels (in pairs) in lieu of single front gauge wheels

* Certain loadings apply - contact your dealer for clarification



SOLO – PRO-LIFT MODELS

- Disc diameter 700mm cutaway blades
- Disc spacing (front & rear) 250mm
- Working depths of tines 200-300mm
- Tine type – hydraulic reset subsurface legs
- Front covering disc units
- Full road lighting kit

'R' TYPE (REAR MOUNTED ROLLER)

- DD roller diameter 330 models - 600mm
- DD roller diameter 450/600 models - 700mm

Model	Working Width	Weight (kgs)	No. of Tines	Tyre Size	Power (hp)
330	3.3m	6050	4	500/50x17	240-325
450	4.5m	9400	6	700/50x22.5	300-420
600	6.0m	11500	8	700/50x22.5	400-600

OPTIONAL EXTRAS

- OSR 8 kit

SOLO (MID MOUNTED ROLLER)

- DD roller diameter - 600mm on all models
- Rear drawbar fitted as standard

Model	Working Width	Weight (kgs)	No. of Tines	Tyre Size	Power (hp)
330	3.3m	6050	4	500/50x17	240-325
450	4.5m	9000	6	700/50x22.5	300-420
600	6.0m	11300	8	700/50x22.5	400-600

OPTIONAL EXTRAS

- OSR 8 kit



MOUNTED TL

- Cat 3 linkage pull
- 3 rows of spring reset tines
- Tine spacing (net) 300mm
- Sprung leveling discs
- 540mm diameter open bar cage or DDL500 roller

Model	Width	Weight (kgs)	No. of Tines	Roller	Power (hp)
TL300	3.0m	1750	10	Cage	120-200
TL350	3.5m	2250	12	Cage	140-200
TL300	3.0m	2000	10	DDL550	120-200
TL350	3.5m	2600	12	DDL550	140-200



SERIES 2B - Rigid and Hydraulic Folding Disc Harrows

- Disc diameter – 650mm (26")
- Disc spacing – 250mm (10")
- Rear drawbar
- Tyre size: 3.25m - 3.75m - 11.5/80 x 15, 5 stud hubs
4.26m - 5.58m - 400/60 x 15, 6 stud hubs
6.10m - 7.1m - 700/50 x 22.5, 8 stud hubs

Hydraulic Folding Models also have:

- Hydraulic wing locks
- Twin cylinder lift system
- Road lights and rear socket
- A transport width of 3m
- Hydraulic levelling front to rear (6.1m & 7.1m)

Working Width	Approx. H.P.	No. of Discs
3.25m R	110-140	25
3.75m R	130-170	29
4.26m FW	150-200	35
5.11m FW	155-230	39
5.58m FW	180-260	43
6.10m FW	240-320	49
7.10m FW	280-380	57

OPTIONAL EXTRAS

- Hydraulic angling
- 700mm (28") blades in lieu of 650mm (26")
- Hydraulic pipework - 4 hydraulic pipes to the rear
- Bearing protection plates

Further options available. Please ask for details.



SERIES 23C - Hydraulic Folding Disc Harrows

- Front gangs fitted with 700mm (28") diameter blades spaced at 250mm (10") blade, weight 135kgs
- Rear gangs fitted with 750mm (30") diameter blades spaced at 300mm (12") blade weight 165kgs
- Hydraulic wing locks
- Twin cylinder lift system
- Rear drawbar
- 4 pipes to rear
- Road lights with rear sockets
- Hydraulic gang angling (front gang)
- Hydraulic levelling front to rear (6.15m & 7.0m)
- Tyre Sizes: 4.4m-5.4m - 18 x 19.5, 6 stud hubs
6.15m-7.0m - 700/50 x 22.5, 8 stud hubs
- Transport width 2.95m

Working Width	H.P. Req.	Disc Blades Front	Disc Blades Rear
4.4m	190-260	17	15
5.4m	250-360	21	19
6.15m	280-400	24	21
7.0m	300-450	28	24



MOUNTED X-PRESS

- Disc diameter 500mm
- Disc spacing (net) 125mm
- Cat 2/3 linkage pull

Working Width	Transport Width	No. of Discs	Weight (kgs)	Roller	Power (hp)
2.5m	2.5m	18	1525	Cage	70-110
2.5m	2.5m	18	1525	Aqueel II	70-110
2.5m	2.5m	18	1525	DDL550	70-110
3.0m	3.0m	22	1750	Cage	80-120
3.0m	3.0m	22	1750	Aqueel II	80-120
3.0m	3.0m	22	1750	DDL550	80-120
3.5m	3.5m	26	2000	Cage	90-150
3.5m	3.5m	26	2000	Aqueel II	90-150
3.5m	3.5m	26	2000	DDL550	90-150
4.0m	4.0m	30	2440	Cage	110-170
4.0m	4.0m	30	2440	Aqueel II	110-170
4.0m	4.0m	30	2440	DDL550	110-170
4.0m	2.98m	32	2920	Cage	125-180
4.0m	2.98m	32	2920	Aqueel II	125-180
4.0m	2.98m	32	2920	DDL550	125-180

OPTIONAL EXTRAS

- Trailing kit 4.0m FW model (no brakes)
Hydraulic brakes
Air brakes
- OSR 6 kit



ST BAR

- Can be mounted ahead of X-Press
- Working depths of tines 150-250mm
- Tine type ST - spring loaded
- Cat 3 linkage pull
- LD tine option in lieu of ST

Working Width	No. of Tines	Power Requirement (with Mounted X-Press)
2.5m	4	145hp
3.0m	5	180hp
3.5m	6	200hp
4.0m	7	220hp
4.0m h/d*	7	220hp

*For use with 4m Folding Wing X-Press



TRAILED X-PRESS

- Disc diameter 500mm
- Disc spacing (net) 125mm
- Cat 3 drawbar pull
- 700mm diameter rear roller, 230mm DD ring spacing

Working Width	Transport Width	Tyre Size	No. of Discs	Weight (kgs)	Power (hp)
4.6m	2.95m	500/50-17	36	5540	140-180
5.5m	2.95m	500/50-17	44	6350	160-220
6.6m	2.95m	500/50-17	52	7570	200-260
8.0m**	2.95m	500/50-17	62	11,500	300-420
10.0m**	2.95m	500/50-17	80	14,000	350-480

** 8m and 10m models supplied with hydraulic brakes as standard

OPTIONAL EXTRAS

- Track eradicators (2 Pro-Active tines per side - not 4, 8 & 10m)
- Rear drawbar with hydraulic services (not 4, 8 & 10m)
- OSR 8 kit (not 8 & 10m)
- Hydraulic brakes (4.6m - 6.6m models)
- Air brakes (4.6m - 6.6m models)
- Levelling board (in front of rear roller) on 8m & 10m models only



PRESSES

Simba offers a comprehensive range of single or cultivator presses with working widths from 3.3 – 10.0m

Single Press

A range of 4.2 – 8.2m vertical folding, 2 section single presses which are available on 700mm DD rings or Aqueel II rollers. These machines are designed principally to work in tandem with a primary cultivator such as an SL cultivator. All models fold to a transport width of under 3m.



AQUEEL II

CultiPress

The CultiPress combines leading tines, a hydraulically adjustable levelling board with two rows of DD600 rings. The interaction between these elements within this machine ensures that they offer a cost effective alternative to the more conventional methods of seedbed preparation on heavier soil types. For heavy soil types shearbolt protected rigid tines can be specified or Pro-Active tines can be fitted for situations where there are stones, or high volumes of trash. A road lighting kit is fitted as standard.



RIGID TINE



PROACTIVE TINE



CRANKED LEG

Double Press

Designed primarily to complement disc harrows or deeper working cultivators, the range of double presses extends from 4.6 m to 8.2 m and all models are fitted with intermeshing DD600 rings.



DD 600

UniPress

LEVELLING BOARDS



The UniPress is a machine designed to leave a well cultivated and level seedbed on light to medium soil types. Front leading tines work the ground ahead of a hydraulically operated levelling board.

A large 700mm diameter DD roller at the rear of the machine consolidates the soil surface leaving a corrugated weatherproof finish.

Pro-Active tines are standard and these provide both improved stone protection and improved trash clearance. Pro-Active tines come with 25mm x 50mm legs as standard, although a cranked leg with a 100mm sweep tine is also available where shallower work is required. All models fold to under 3m for transport.



DD 700





UNIPRESS

- Proactive sprung tines for improved protection and trash clearance
- Straight leg or cranked tine options
- Levelling board inter-meshing with DD roller
- 700mm diameter DD roller, 230mm DD ring spacing

All models fold to under 3m for transport.

Working Width	No. of Pro-Active Tines	Weight (kg)	H.P. Req
4.6m	15	2760	120-170
5.5m	17	3300	140-190
6.6m	21	3960	150-220
7.2m	23	4560	180-240
8.2m	27	4920	200-260

OPTIONAL EXTRAS

- Rear drawbar c/w 4 pipes
- Cranked tine with sweep on Pro-Active tine (In addition to the 25mm x 50mm legs)
- Speed-Lube (fully automated)
- Speed-Lube (manual centralised)
- Drawbar to suit FG Cultivator (in lieu of standard)



CULTIPRESS

- Proactive sprung tines or Rigid tine options*
- Levelling board inter-meshes with DD rings for effective clod crushing
- 2 rows of 600mm diameter DD rollers, inter-meshed

Tyre Sizes: 3.3m – 400/60x15.5
4.0m-6.6m – 500/50x17
8.0m-10.0m – 500/50x17

Working Width	Transport Width	No. of Rigid Tines	No. of Pro-Active Tines	Weight (kgs)	Power (hp)
3.3m	3.45m	13	11	3480	115-160
4.0m	4.15m	17	13	3910	140-190
4.6m	2.95m	19	15	5660	160-220
5.5m	2.95m	23	19	6630	195-260
6.6m	2.95m	27	21	7220	230-310
8.0m*	2.95m	n/a	25	10,500	300-420
10.0m*	2.95m	n/a	35	13,000	380-480

* Rigid tines not available. Remote grease points on roll element only fitted as standard. Hydraulic brakes fitted as standard.

OPTIONAL EXTRAS

- Hydraulic rear drawbar c/w 2 pipes (3.3m & 4.0m models only)
- Hydraulic rear drawbar c/w 4 pipes (4.6m - 6.6m models only)
- Speed-Lube (fully automated) not 8 & 10m
- Speed-Lube (manual centralized) not 8 & 10m
- Speed-Lube (fully automated) 8m
- Speed-Lube (fully automated) 10m
- Cranked tines in addition to straight



SINGLE PRESS

- 2 section roller
- 400/60 x 15.5 transport wheels on 6 stud hubs
- Road lights
- Fitted with either 700mm DD rings or 610mm Aqueel II rolls
- Transport width 2.95m

Working Width	Aqueel II Weight (kgs)	DD Rings Weight (kgs)
4.2m	1680	2050
4.6m	1850	2225
5.5m	2220	2660
6.6m	2650	3000
7.6m	3050	3450
8.2m	3300	3725

OPTIONAL EXTRAS

- Hydraulic Levelling Board
- Wheel eradicators
- Drawbar to suit FG Cultivator (in lieu of standard)
6.6m and 8.2m models only



DOUBLE PRESS

- DD rings, 600mm diameter
- Remote greasing for bearings
- Road lights
- Flotation tyres
- Hydraulic folding models
- Tyre size 400/60 x 15

Working Width	Weight (kg)
4.6m	3680
5.5m	4400
6.6m	5280
7.5m	6000
8.2m	6560

OPTIONAL EXTRAS

- Rigid front leading tines (tine spacing 300mm)
- Rear drawbar c/w 4 pipes



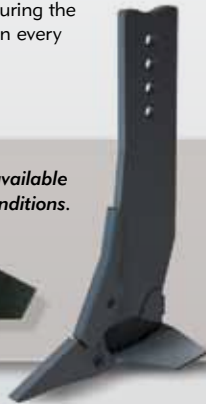
SUBSOILERS

With two ranges to choose from, the Simba Flatliner is an often overlooked essential machine that should have a place on every arable farm in any part of the world. Good soil structure is fundamental to every farmer wishing to maximise crop establishment, growth and yield. To this end Simba has developed the Flatliner over many years of experience designing a robust machine capable of working down to 500mm.

Solving the problem of compaction

A common cause of poor soil structure is compaction, which can result from ineffective cultivations and trafficking soil when too wet, or with too great an axle load. A compacted soil structure will reduce, or limit yield, and cost time and effort to correct. Removal of compacted layers at depth such as plough pans, or deeper compaction resulting from tyre damage, can be achieved by the unique Pro-Lift leg tine, a key feature of the Flatliner range. A narrow leading tip ensures penetration and low draught, and a choice of separate rear mounted wings allows for correct operation at a range of depths and in most soil types and conditions. This is coupled with a choice of wings to match the soil conditions, ensuring the soil is returned to near perfect condition every time the Flatliner is used.

A choice of three wing widths are available to suit varying soil and moisture conditions.



FLATLINER HYDRAULIC RESET

- Positive depth control and surface weatherproofing via rear 600mm dia. DD ring roller
- Adjustable auto resetting pressure
- Hydraulic system fully pressurised for minimal maintenance and wear
- Simple replacement parts from high abrasion resistant materials specially developed for the application
- Choice of SIMBA PRO-LIFT wings for optimum shatter and subsurface re-arrangement to leave a stable profile
- 'V' form toolbar for low draught, ease of trash passage, and optimum shatter
- Working depths down to 350mm

Working Width	Approx. (hp)	No. of Tines	Tine Centres
3.0m	110-160	3	100cm
3.0m	130-180	5	64cm
3.5m	130-180	5	70cm
4.0m	140-190	5	80cm



FLATLINER 500

- A range of heavy duty 'V' framed Subsoilers
- Designed to operate at depths of 300-500mm
- Adjustable tine clamps offer flexibility
- Depth control achieved using 600mm dia DD roller
- DD roller ensures maximum consolidation
- Long life Pro-Lift leg, point and wings offer effective soil conditioning

Working Width	Approx. (hp)	No. of Tines
3.0m	130-180	3
3.5m	140-240	5
3.8m	140-240	5
4.2m	190-310	7
4.5m*	210-360	7

*hydraulic folding model, 3m transport width.

OPTIONAL EXTRAS

- Tine assembly complete with clamp and point (3m & 3.8m only)
- Front mounted depth wheels
11.5/80-15 fully adjustable (rigid machines only)
- HD Chassis (4.2m) for 300 to 400hp (in lieu)
- OSR 6 kit
- OSR 6 kit for 4.5m

TECHNICAL ADVICE

Simba invests a great deal of time and effort producing informative booklets and guides.

The most recent publication was the Cultivations and Soil Structure Guide which was very well received by both farmers and agronomists throughout Europe.

Also available are the Cereals Establishment Guide and the Oilseed Rape Establishment Guide.

You can apply for your **free** copies by visiting our website at www.simba.co.uk and following the link.



CONTACT US FOR FURTHER DETAILS

For more information about any of the products in the Simba Great Plains range and for details of current prices, please contact your nearest Simba Great Plains dealer. A full directory of Simba Great Plains dealers worldwide can be found in the Dealers section of the Simba website at

www.simba.co.uk

All products are supplied to dealers on the terms of Simba International Limited conditions of sale in force at the time their order is accepted. A twelve-month warranty is available to customers, directly from your Simba Great Plains dealer. Further details and copies of these documents are available on request. Kits bought to update all our machines are subject to our standard spares prices, discounts and delivery charges. Formal quotations are available on request. E&OE. Simba Great Plains' policy is one of continuous improvement. The right to change specification or equipment at any time is reserved. Orders are accepted subject to our standard conditions of sale. All weights and measurements shown in the literature are approximate.



Simba International Ltd.

Woodbridge Road, Sleaford, Lincolnshire. England NG34 7EW

Tel: +44 (0) 1529 304654 Fax: +44 (0) 1529 413468

e-mail: sales@simba.co.uk

Global Headquarters

Great Plains Manufacturing, Inc. 1525 East North Street,
Salina, Kansas 67401-5060 USA

Tel: +1-785-823-3276 Fax: +1-785-822-6722

e-mail: gpi@greatplainsmfg.com www.greatplainsmfg.com