



PRAIRIE IRON

EQUIPMENT / PARTS / FIELD SUPPORT

2026 FIELD CATALOG

Built around the work.

A complete fictional equipment system for power, seeding, tillage, crop care and parts support.

FIVE SYSTEMS

One coordinated field line.

TECHNICAL EDITION

Illustrative data / digital catalog.



05 Move from power to parts without losing the thread.

01	Power + loading	Tractors / loaders / attachments	04-07
02	Seeding	Planters / row units / air seeders	08-11
03	Ground tools	Disc / vertical tillage / harrows	12-15
04	Crop care + hay	Sprayers / balers	16-18
05	Parts + support	Service parts / compatibility / inquiry	19-23

Illustrative specifications

All power, capacity, size and fitment data are fictional catalog values.

Model logic

Two-letter family prefixes keep machines and parts easy to scan.

Safe use

This concept is not an operator, installation or safety manual.

Prairie Iron Equipment is a fictional brand created for Pixorizon's portfolio. No product is offered for sale and no real-machine compatibility is stated.

Useful equipment begins with a clear field plan.

Prairie Iron is organized as a fictional, coordinated line: power units sized to matched implements, practical attachment logic and parts references that stay consistent from product page to inquiry.

Every model in this catalog is built from one structured dataset. That keeps power thresholds, dimensions, codes and fitment relationships aligned across comparison tables and matrices.

DESIGN PRINCIPLE

Specify the job. Then size the system.

Start with width, residue, acres and transport conditions - not a badge.

01

Power matched

Four tractor concepts span utility through high-draft work.

02

Field organized

Widths and minimum power references use a single logic.

03

Parts traceable

Consistent fictional SKUs connect assemblies to model families.

04

Claims controlled

No certified output, warranty, regulatory or safety claim is implied.

05

Service ready

Quote guidance captures the details needed for a useful response.

06

Built to compare

Tables favour readable decisions over decorative specifications.

POWER + LOADING

A tractor family scaled to the task, not the silhouette.

Crest utility tractors, Frontier field tractors and two matched loader frames.

Compact dimensions. Full-day field logic.

Two fictional utility tractors for loading, mowing, light tillage and row-crop support.

SHARED LOADER

LD-42

Matched frame

MODEL	POWER	BASE MASS	HYDRAULIC FLOW	REAR LIFT
CR-95 Crest utility	95 hp	3,860 kg	78 L/min	3,200 kg
CR-125 Crest utility	125 hp	4,520 kg	104 L/min	4,200 kg

CR-95

Agile power for mixed work

Shorter wheelbase concept, open sightlines and a hydraulic package sized for LD-42 loader cycles.

PRIMARY FIT

CAB

TYRES

PR-8 / HB-55

Low-roof concept

Utility radial

CR-125

More reserve for wider tools

Additional rear lift and flow for PR-12, SH-40 and FS-90 illustrative combinations.

PRIMARY FIT

CAB

TYRES

PR-12 / SH-40

Panoramic concept

Row radial

Shared operating architecture

■ Mechanical/hydraulic control grouping concept

■ Three-point rear interface concept

■ Loader-ready subframe path

■ Reversible service access panels

Selection cue

Choose CR-95 when manoeuvrability leads. Step to CR-125 where rear lift, hydraulic demand or wider implements set the requirement.

Values are illustrative, not rated performance.

High-draft power with a restrained operator envelope.

FRONTIER SERIES

FR

Frontier pairs a long wheelbase concept with simplified service zones and high-flow implement support.



210 hp

FR-210 POWER

285 hp

FR-285 POWER

142-178

L/MIN HYDRAULIC FLOW

6,800-9,000

KG REAR LIFT

FR-210 / balanced field platform

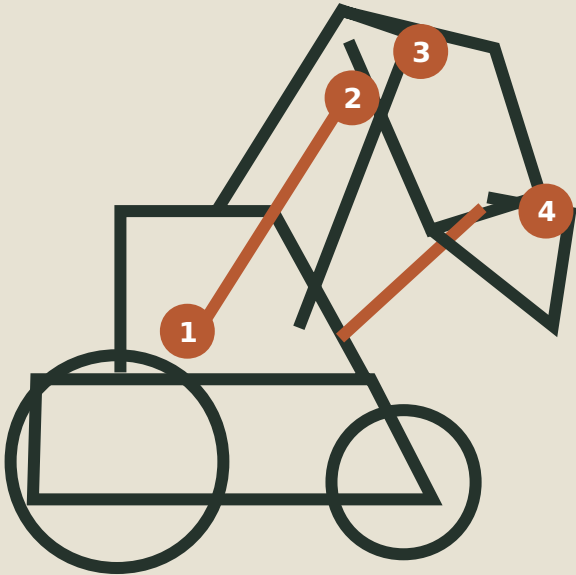
Illustratively matched to PR-16, AS-36, DX-24, VT-30 and FS-120 where moderate transport size matters.

FR-285 / maximum catalog pairing

Additional mass, flow and rear lift for AS-50 and the broadest draft combinations in this fictional line.

Power, mass, lift and flow figures are catalog-design examples and have not been tested, certified or offered for engineering use.

One load path. Two matched frames.



ILLUSTRATIVE SIDE ELEVATION / NOT TO SCALE

- 1 Subframe path**
Load route shown through a reinforced chassis zone.
- 2 Lift cylinder**
Twin-cylinder concept with protected hose routing.
- 3 Cross-tube**
High sightline opening between loader arms.
- 4 Tool interface**
Fictional carrier for bucket and fork concepts.

MODEL	LIFT	HEIGHT	BUCKET
LD-42	1,800 kg	3,820 mm	0.95 m3
LD-68	3,100 kg	4,560 mm	1.55 m3

Capacity and geometry are illustrative. Real loader selection requires stability, ballast, tyre, axle and attachment review.

Attachment set

General bucket / light-material bucket / pallet fork / bale spear. All are fictional family concepts; no real carrier fitment is implied.



SEEDING

**Place every row
inside a repeatable
system.**

Three planter widths, two air-seeder configurations and a common service-parts language.

PR family / scale by row count.

A consistent fictional row unit moves from eight to sixteen rows at 30-inch spacing.

SHARED SPACING

30 in

Illustrative

MODEL	ROWS	WORKING WIDTH	SPACING	MINIMUM POWER
PR-8	8	20 ft	30 in	95 hp
PR-12	12	30 ft	30 in	125 hp
PR-16	16	40 ft	30 in	210 hp



PR-8

Compact field entry

Eight-row frame concept for smaller parcels, headlands and a 95 hp minimum-power reference.

PR-12

Mid-width balance

Twelve-row system matched illustratively to CR-125 and a 30-foot working width.

PR-16

Broad-row capacity

Sixteen-row folding frame concept for Frontier tractors and larger field blocks.

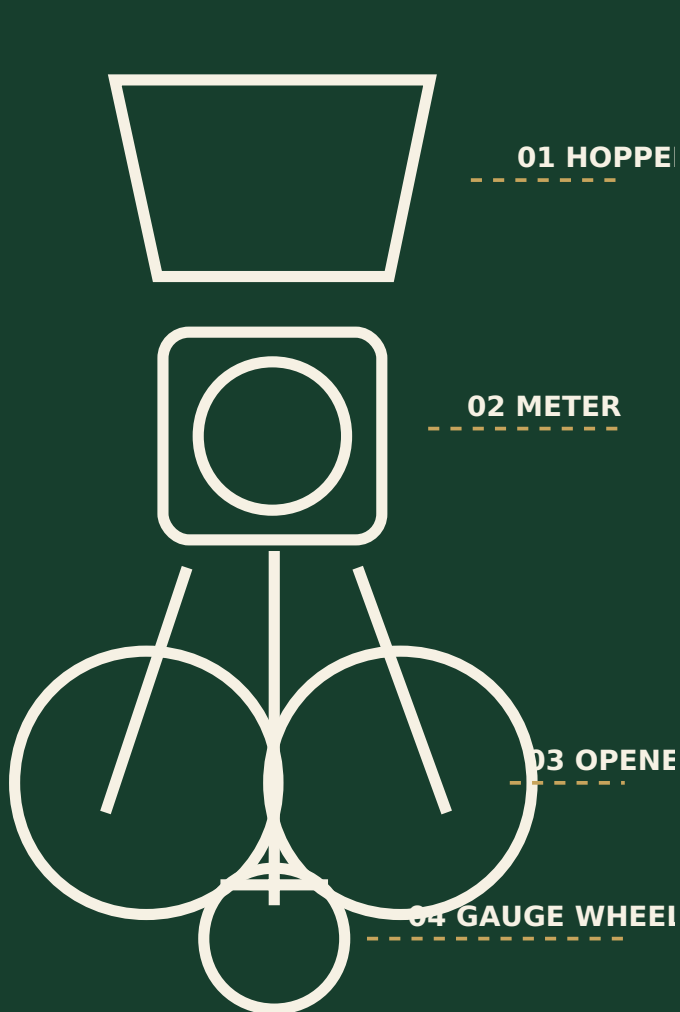
Common service set

PRT-1008 opener, PRT-2030 meter housing, PRT-2416 gauge wheel and PRT-3102 couplers.

FOUR SHARED SKUS

Row count, spacing, width and power values are internally consistent design examples, not field recommendations.

Four service zones, read from top to soil.



- 1 Seed volume**
Fictional polymer hopper with a wide inspection opening.
- 2 Meter path**
PRT-2030 housing shown as a service-replaceable module.
- 3 Soil entry**
Paired PRT-1008 disc concepts create the illustrated furrow.
- 4 Depth reference**
PRT-2416 gauge-wheel kit runs beside the opening discs.

This vector is a communication diagram only. It is not an assembly, maintenance, calibration or safety instruction.

One-pass capacity, separated into two clear choices.

AIR-SEEDING SYSTEMS

AS

AS-36 prioritizes transport balance. AS-50 adds width and seed-cart volume for longer field runs.



MODEL	WORKING WIDTH	CART CAPACITY	MINIMUM POWER	SERVICE OPENER
AS-36	36 ft	230 bu	210 hp	PRT-1008
AS-50	50 ft	310 bu	285 hp	PRT-1008

Distribution architecture

Central manifold, visible primary runs and grouped secondary hoses make the fictional material path easy to read.

Selection cue

Choose width and capacity together; confirm transport, ballast, hydraulic and terrain requirements in any real system.



GROUND TOOLS

**Shape residue and
soil with an explicit
depth strategy.**

Offset disc, vertical-tillage and spring-harrow concepts organized by width, depth band and power.

Two widths. One aggressive ground-tool family.

DX concepts use paired gang geometry for primary residue mixing in this fictional line.

DEPTH BAND

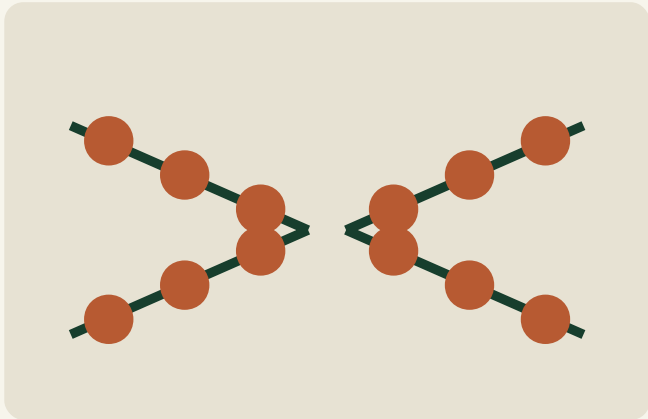
3-8 in

Illustrative

MODEL	WORKING WIDTH	DEPTH BAND	MINIMUM POWER	BEARING HUB
DX-18	18 ft	3-8 in	125 hp	PRT-1214
DX-24	24 ft	3-8 in	210 hp	PRT-1214

Gang sequence

ILLUSTRATIVE TOP VIEW



Selection logic

- DX-18 pairs to CR-125 where transport width leads.
- DX-24 steps to FR-210 minimum-power reference.
- Both use fictional PRT-1214 sealed bearing hubs.
- Depth is a catalog band, not a field setting.

Soil, moisture, residue, slope and travel speed materially affect any real tillage outcome.

VT for vertical action. SH for a lighter final pass.

VT-30

Vertical tillage / 30 ft

A shallow 1-4 inch illustrative depth band with a 210 hp minimum-power reference.

WORKING WIDTH	30 ft
DEPTH BAND	1-4 in
MINIMUM POWER	210 hp
HUB	PRT-1214

SH-40

Spring harrow / 40 ft

A broad finishing concept using a 1-3 inch illustrative band and 125 hp reference.

WORKING WIDTH	40 ft
DEPTH BAND	1-3 in
MINIMUM POWER	125 hp
FRAME	Five-section

Choose by outcome

DX mixes and levels more aggressively. VT describes shallow vertical action. SH describes a lighter residue distribution and finishing pass.

MODEL	TOOL TYPE	WIDTH	DEPTH	MINIMUM POWER
DX-18	Offset disc	18 ft	3-8 in	125 hp
DX-24	Offset disc	24 ft	3-8 in	210 hp
VT-30	Vertical tillage	30 ft	1-4 in	210 hp
SH-40	Spring harrow	40 ft	1-3 in	125 hp

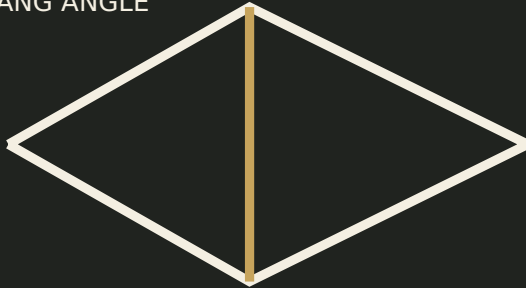
Comparisons explain this fictional catalog architecture only; they are not agronomic recommendations.

Depth, angle and finishing pressure - shown as three independent decisions.

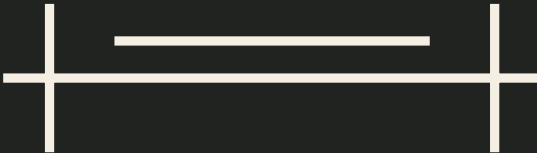
01 DEPTH REFERENCE



02 GANG ANGLE



03 FINISHING PRESSURE



1

Depth reference

Illustrative cylinder/stop relationship; not a setting procedure.

2

Gang angle

Opposing disc directions clarify the fictional soil-flow concept.

3

Finishing pressure

Rear-tool pressure shown as a separate field decision.

No operator should use this page to set, service or operate equipment. Real instructions would require model-specific manuals and safety controls.



CROP CARE + HAY

Cover the field, then gather the season.

Two sprayer widths and two baler formats complete the fictional field cycle.

Boom width and tank volume move together.

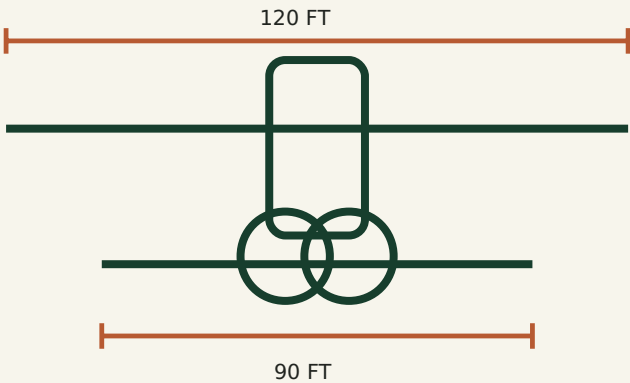
FS-90 is the compact option; FS-120 adds width, liquid volume and a higher power reference.

SHARED PART

PRT-4408

Nozzle body

MODEL	BOOM	TANK	MINIMUM POWER	SERVICE SKU
FS-90	90 ft	1,000 gal	125 hp	PRT-4408
FS-120	120 ft	1,200 gal	210 hp	PRT-4408



Planning questions

- Field size and headland geometry
 - Liquid volume and refill distance
 - Transport envelope and route
 - Tractor hydraulic demand
 - Nozzle body service stock
- No application rate, chemical compatibility, drift control or regulatory compliance is stated.

Two bale formats, one clear service family.

HAY SYSTEMS

HB

HB-55 makes a 5 x 5 ft round-bale concept. HB-34 describes a 3 x 4 ft large-square system.



MODEL	TYPE	BALE FORMAT	MINIMUM POWER	PICKUP TIME
HB-55	Round baler	5 x 5 ft	95 hp	PRT-5510
HB-34	Large square baler	3 x 4 ft	210 hp	PRT-5510

HB-55 / flexible field handling

Lower minimum-power reference and a round format for straightforward movement.

HB-34 / dense logistics concept

Large-square format aimed at stack geometry and repeatable transport planning.



PARTS + SERVICE

Identify by system, then confirm by model.

Nine fictional SKUs cover the most visible service families in this catalog. The prefix PRT indicates a Prairie Iron service item; the four digits identify the item family.

PRT-1008	Disc opener assembly PR + AS seeding families	PRT-1214	Sealed bearing hub DX + VT ground tools
PRT-2030	Seed meter housing PR planter family	PRT-2416	Gauge wheel kit PR + AS-36
PRT-3102	Hydraulic coupler pair All fictional families	PRT-4408	Boom nozzle body FS sprayer family

Images show original AI-generated fictional components. They are not accurate depictions of real replacement parts.

High-contact parts, grouped by the work they support.

SKU	PART	GROUP	ILLUSTRATIVE FITMENT
PRT-1008	Disc opener assembly	Seeding	PR-8 / PR-12 / PR-16 / AS-36 / AS-50
PRT-1214	Sealed bearing hub	Ground tools	DX-18 / DX-24 / VT-30
PRT-2030	Seed meter housing	Seeding	PR-8 / PR-12 / PR-16
PRT-2416	Gauge wheel kit	Seeding	PR-8 / PR-12 / PR-16 / AS-36



SERVICE FAMILY SILHOUETTES

Fitment is a verification step

Model code alone is never sufficient in a real parts workflow. Production serial range, configuration and assembly revision would also be required.

This fictional catalog intentionally omits real serials and ordering capability.

Visual inspection cue

Compare mounting pattern, diameter, offset and connection style before any real order.

Inquiry cue

Provide model, serial range, affected assembly and a clear photo of the existing part.

Small service items with system-wide reach.

SKU	PART	GROUP	ILLUSTRATIVE FITMENT
PRT-3102	Hydraulic coupler pair	Hydraulics	All Prairie Iron fictional families
PRT-4408	Boom nozzle body	Crop care	FS-90 / FS-120
PRT-5510	Baler pickup tine set	Hay	HB-55 / HB-34
PRT-6812	Loader wear-edge kit	Material handling	LD-42 / LD-68
PRT-7204	Field fastener kit	Service	All Prairie Iron fictional families

3102 Coupler pair

One fictional interface family across tractors and implements.

4408 Nozzle body

Shared service reference for FS-90 and FS-120 boom concepts.

5510 Pickup tine set

Common hay-family service item for both bale formats.

7204 Field fastener kit

Illustrative universal stock; exact grade and torque are not specified.

Important limitation

No illustrated part carries material grade, pressure rating, chemical compatibility, torque value or safety approval. This is a portfolio catalog concept, not service documentation.

A single view of the fictional field system.

Solid dots indicate an illustrative catalog pairing. Open dots identify combinations outside this concept line.

IMPLEMENT	CR-95	CR-125	FR-210	FR-285
LD-42 loader	●	●	○	○
LD-68 loader	○	○	●	●
PR-8 planter	●	●	●	●
PR-12 planter	○	●	●	●
PR-16 planter	○	○	●	●
AS-36 air seeder	○	○	●	●
AS-50 air seeder	○	○	○	●
DX-18 disc	○	●	●	●
DX-24 disc	○	○	●	●
VT-30 vertical tillage	○	○	●	●
SH-40 harrow	○	●	●	●
FS-90 sprayer	○	●	●	●
FS-120 sprayer	○	○	●	●
HB-55 round baler	●	●	●	●
HB-34 square baler	○	○	●	●

● Illustrative pairing ○ Not paired in this concept

How pairings were assigned

Each implement's minimum-power figure was compared with the four tractor power values; loaders use explicit model fitment.

What this does not establish

Real compatibility also depends on mass, ballast, hitch, PTO, hydraulics, tyres, transport rules, terrain and safety systems.

This matrix applies only to the fictional models in this document and must never be used for real equipment selection.

A better quote starts with a complete field brief.

01

Describe the work

Crop, acres, residue, terrain, seasonal window and expected field outcome.

02

Name the power unit

Model, power, hitch, PTO, hydraulic flow, tyres and ballast.

03

Confirm logistics

Road route, gate width, storage, loading and service access.

04

Review fitment

Configuration, options, parts stocking and model-specific documents.

Illustrative quote brief

Contact / operation

Field task / crop

Current tractor / power

Preferred working width

Configuration details

Hydraulic flow / remotes

Hitch / PTO

Transport constraint

Target season

CATALOG INDEX

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FICTIONAL SUPPORT DESK

fielddesk@prairieiron.example
prairieiron.example
Winnipeg, Manitoba

No quote, availability, warranty or purchase can be provided. Addresses use the reserved example domain.



PRAIRIE IRON
EQUIPMENT / PARTS / FIELD SUPPORT

Put the whole field system in view.

Start with the task. Match the power. Confirm the interface. Keep the parts reference close.

FICTIONAL CONTACT

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