

Completion of this Compliance Matrix is mandatory to be considered responsive and for your bid to be given further consideration.

1. Bidders must record whether they meet (YES) or not meet (NO) each of the specifications.
2. Bidders are requested to provide documentation (technical information, brochures, photos) to clearly demonstrate compliance to each mandatory criterion.
3. Bidders are requested to reference where this technical specification is indicated in their bid documentation.

STATUS:

M = Mandatory
I = Information

Item	Description	Status	YES	NO	Bidder Response	Bidder Cross Reference	What's expected in your proposal
	Agriculture & Agri-Food Canada requires the supply and delivery and one year on-site warranty of a new single row drill seeder for research plots; Wheat, Oat, and Barley in accordance with specifications detailed below. The requested single row drill seeder will be used in concert with a fleet of machines for use in preparing, planting, maintaining and harvesting small (approximately 3.0 square meter) plots. Plots are seeded in various lengths from 60 cm rows to 5 meter rows, hence accurate planting with optimal distribution of seeds over several rows within one research plot is required. The drill seeder must be compatible with current seeder cups and lids that AAFC already owns. This seeder will be used to seed approximately 25,000 rows annually at a rate of about 10,000 per day.	I			In this column, Bidder is to indicate how they meet the specifications addressed below. (i.e. See attached brochure.)	In this column, Bidder is to cross-reference where this technical specification is indicated in their bid documentation. (i.e. Page 4, Paragraph 3 of brochure)	
1	Part 1: GENERAL PERFORMANCE SPECIFICATIONS						
1.1	The seeder must be constructed of an appropriate gauge of metal to withstand the shock which will be encountered during normal use and being transported over rough roads on a flatbed. The Shanks which control the row spacing must be able to be adjusted to a new configuration within one hour.	M					Provide detailed documentation to demonstrate compliance with the these requirements.
1.2	Plot length to be variable, controlled by a Zero-Max system or electronic row length system, minimum length of 1 meter.	M					
1.3	Plot and alley spacing total length to be programmable using an electronic instrument such as a measuring wheel. A manual override switch to trip the seed distribution to be included. The movement of the seed distribution mechanisms is by pneumatic pistons or electric motors.	M					
1.4	The seeder must include an adjustable padded seat for the operator; foot rest and step to mount planter.	M					
1.5	Attachments: Insert frame to carry 6 cones which are of appropriate diameter for the distribution of wheat, barley, and oat seeds for row length differences of 1 metre to 15 metres and openers which are suitable for soils of eastern Manitoba.	M					
1.6	Track width adjustable from 1.25 m (minimum) up to 2.00 m (maximum).	M					
1.7	The unit must not weigh more than 1300 kilograms so as not to compact the heavy clay soils in the Red River Valley and for ease of transportation.	M					Provide detailed documentation to demonstrate compliance with the these requirements.
1.8	Safety shields to all be in place.	M					

2	Part 2: DISTRIBUTION SYSTEM						
2.1	A cone system loaded with seed cups and enables full automated operation in conjunction with an electronic control. Must support existing seed cups 7 1/2" long, 2 5/16" wide, with 12 cups 1" in depth. Cups have 3/16" lip for sliding onto plates, and the cups are held together in gangs of 20 by appropriate lids.	M					Provide detailed documentation to demonstrate compliance with the these requirements.
2.2	Sequential control and monitoring - allows seed plates to be replaced without interrupting work. Must be compatible with existing plates; 24 1/8" long, 7 5/16" wide, 1/8" thick, 1/4" lip on one end with a 1/4" x 1/4" notch in centre; opposite end has a 5/16" x 9/16" deep notch in centre.	M					
2.3	Tray platform for seed cup basket and collecting device for empty seed cups.	M					
2.4	12 volt electronic control box must be compatible with 12 volt tractor electrical systems. Includes manual override button to trigger magazine advancement. Electronic cables provided for both the control system GSC and tractor GSC.	M					
2.5	Electronic measuring sensor to control length of plot+alleyways.	M					
2.6	The unit must be a 3 point hitch unit. The unit must be able to be lifted by a category 1 or 2 three-point hitch tractor.	M					
2.7	Body frame for up to 6 belt cones (100mm - 150mm).	M					
2.8	Electronic funnel lifting by electric lifting magnet .	M					
2.9	Seeder must include six (6) belt cones (100mm-150mm) with stainless steel cone.	M					
3	Part 3: SEEDING MECHANISM						
3.1	Mounting frame for six (6) belt cones and cell magazine system.	M					Provide detailed documentation to demonstrate compliance with the these requirements.
3.2	Six (6) belt cones, 100mm-150mm, polished stainless steel for cereal grain (8mm diameter max).	M					
3.3	Automatic cell magazine system, with control system to automatically advance cells by both manual and electronic trip systems, supplied with necessary table, splitters, control box, etc. Also provide tray platform and collecting device for magazine baskets.	M					
3.4	Insert frame for 6 belt cones.	M					
3.5	Cover cap for cell magazine system.	M					
3.6	Draw bar for offset blade double disc openers, 1.5 m track width.	M					
3.7	Six (6) offset blade double disc openers, mounted at 30 cm spacing and centered on draw bar. Six (6) down pressure units for offset blade openers, 1 per opener.	M					
3.8	Electric lifting magnet to raise the filling funnel; antistatic filling funnels and seed tubes.	M					
4	Part 4: INDUSTRY EXPERIENCE						
4.1	Existing Technology: The single row drill seeder being offered must be the most recent model available and must be comparable to Bidders' models (produced by the same Bidder) in the market place for a minimum of three (3) years in Canada.	M					Provide documentation to demonstrate compliance with the this requirement.

4.2	References: The seeder will be used to seed approximately 10,000 rows per day, thus the supplier must have a proven record. The Bidder must provide three (3) references of various organizations that have purchased the Bidder's seeders and can attest to: a) parts availability in North America; b) performance of the single seed drill seeder; c) service available in English in Canada.	M					Provide documentation to demonstrate compliance with the this requirement.
5	PART 5: SERVICE WARRANTY						
5.1	Must include a one (1) year on-site warranty including travel, parts, labour, and all other expenses. Contractor must provide a phone number for requesting service. The Contractor must have trained service personnel on site within 96 hours after receiving a call for service from AAFC, and can provide phone consultation with 24 hours of notification from AAFC. Service must be available in English.	M					Identify clearly in your proposal, how you meet the warranty provisions required with this requirement.
5.2	The supplier must be able to provide after-sale replacement parts for a minimum of ten (10) years.	M					Provide documentation to demonstrate compliance with the this requirement.
6	Part 6: DELIVERY AND ACCEPTANCE						
6.1	Delivery, including off-loading changes, is FOB Destination: Agriculture and Agri-Food Canada, Glenlea Farm Station, Location 2115, Highway 75 South, Glenlea, Manitoba, R0G 0S0.	M					Confirm your commitment to this requirement.
6.2	All deliverables must be received on or before March 28, 2013	M					Confirm your commitment to this requirement.
6.3	Row seeder to be pre-serviced and field ready when delivered.	M					Confirm your commitment to this requirement.
6.4	Acceptance: The single row drill seeder must be fully operational as per the specifications to the satisfaction of the AAFC Project Authority.	M					Confirm your commitment to this requirement.
7	Part 7: DOCUMENTATION AND MANUALS						
7.1	The Contractor shall provide a complete and current set of operating, service and parts manuals in English.	M					Confirm your commitment to the provision of documentation/technical manuals.
8	Part 8: CERTIFICATION OF NEW EQUIPMENT - OFF-THE-SHELF						
8.1	The equipment offered shall be "off-the-shelf" in that it shall be composed of standard equipment requiring no further research or development and shall be in current production and conform to the current issue of the applicable specification and/or part number of the Original Equipment Manufacturer. All equipment shall be new, in that it shall not include refurbished equipment and in that all equipment shall be of current manufacture.	M					Provide documentation to demonstrate compliance with the this requirement.
9	Part 9: QUALITY ASSURANCE						
9.1	The Bidder must be an Authorized Reseller for the Unit they are offering to the Crown.	M					Provide documentation to demonstrate compliance with the this requirement.