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Planting & Seeding

BD1108 End Wheel Grain Drill, 7.5 In. Spacing, 13 Openers, and Standard Grain Agitator Equipment for Base Machine

Number of Openers: 13 Available Row Spacings: 7.5 In. Working Width: 8 Ft. 1 In. Transport Width: 10 Ft. Opener Type: 13 In. Double Disk / Staggered Pattern Seedboot Types: Cast Aluminum or Cast Iron Opener Downpressure: 124 lbs. Maximum Metering: Fluted Feed Transport Ground Clearance: 5.5 In. Weight with Plain Box (7.5 In. Spacing): 1,330 lb. Weight with Combo Box (7.5 In. Spacing): 1,475 lb. Tires: 7.5-20, 4PR Rib Implement OR 7.5-20, 4PR Double-Rib Implement Box Capacity (Plain Box):

2.8 Bushel/Ft. - 22.4 Bushel
Box Capacity (Combo Box):
3.4 Bushel/Ft.
40 Percent Grain: 10.8 Bushel
60 Percent Grain: 14.6 Bushel
100 Percent Grain: 22.1 Bushel
Box Capacity (Grass Seed):
1.5 Bushel
Acremeter: Standard
Assembly/Set-Up Time: 3 Man-Hours
for Base Machine, 1 Additional Hour
for Grass Seed Attachment
Warranty: 1 Year Parts and Labor

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
3001XF		BD1108 End Wheel Grain Drill, 7.5 In. Spacing, 13 Openers, and Standard Grain Agitator	15,583.00
		BOX TYPE	
1000		Plain Grain	In Base Price
1010		Combination Grain/Fertilizer	4,704.00
		OPENERS	
2035		Double Disk Aluminum Boot	In Base Price
2045		Double Disk Cast Iron Boot	1,177.00
		WHEELS AND TIRES	
3100		7.50 x 20 Farm Implement	In Base Price
3105		7.50 x 20 Double Rib	-114.00
		DESTINATION	
0195		Mexico	In Base Price
0202		English	No Added Cost
0184		Canada	No Added Cost
		OPERATOR'S MANUAL AND DECALS	

English Export Manual, PDI and Decal Kit

In Base Price

BD1108 End Wheel Grain Drill, 7.5 In. Spacing, 13 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		OPERATOR'S MANUAL AND DECALS Continued	
0413		French Export Manual,PDI and Decal Kit	230.00
0437		Spanish Export Manual,PDI and Decal Kit	230.00
		GRASS SEED BOX	
3003		Grass Seed Box	1,743.00
		PRESS WHEELS	
8010		Depth Gauge Press Wheel Arm Less Wheel with Footboard Extension Brackets If Depth Gauge Press Wheel Arms are ordered, you must order option code 9009, or 9010, or 9012 Press Wheel.	801.00
		MISCELLANEOUS	
9005		Cover Chains	78.00
9060		Tru-Vee Opener Attachment For use with aluminum boot furrow openers only. Does not include opener.	4,271.00
		PRESS WHEELS	
9009		1 x 12 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	676.00
9010		2 x 13 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	673.00
9012		4 x 12 Double Rib Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,085.00
		SCRAPERS	
9040		Double Disk Outside Scrapers Must also order outside scraper conversion parts (option 9050) if used in combination with depth gauging press wheels.	307.00
9050		Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND double disk outside scrapers.	152.00
		ATTACHMENTS FOR FIELD CONVERSION	
	5YTBN160419	Miscellaneous Cover Chains, Quantity 10	42.91

BD1108 End Wheel Grain Drill, 7.5 In. Spacing, 13 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5YTAA80305	ATTACHMENTS FOR FIELD CONVERSIONContinued Depth Gauging Press Wheel 4 x 12 Double Rib, Quantity 1	93.51
	5YTBN280000	Depth Gauging Press Wheel Arm Less Wheel, Quantity 1 Must also order desired press wheels and footboard extension brackets.	66.00
	5YTBN211071	Double Disk Opener Assembly with Long Cast Iron Boot	360.80
	5YTBN211068	Double Disk Opener Assembly with Short Aluminum Boot	261.80
	5YTBN211070	Double Disk Opener Assembly with Short Cast Iron Boot	355.31
	5YTAN282365	Double Disk Outside Scrapers, 10 Pair Must also order conversion parts if used in combination with depth gauging press wheels.	159.51
	5YTBN210945	Footboard Extension Brackets Order 1 for each machine to be equipped with depth gauging press wheels.	42.91
	5YT7015417	French Operators Manual, PDI, and Decal Kit (BD11 Drills)	238.71
	5YTBN906606	Grass Seed Attachment for 13 Openers For 13 opener, 7.5 In. spacing configuration.	1,810.60
	5YTAN212672	Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND outside scrapers.	157.31
	5YT7015416	Spanish Operators Manual, PDI, and Decal Kit	232.11
	5YTBN210047	Tru-Vee Opener Attachment, One Row For use with aluminum boot furrow openers only. Does not include opener.	341.00

BD1108 End Wheel Grain Drill, 7.5 In. Spacing, 13 Openers, and Standard Grain Agitator Continued

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List Price

FRONTIER PRODUCTS

Planting & Seeding

BD1110 End Wheel Grain Drill, 6 In. Spacing, 21 Openers, and Standard Grain Agitator Equipment for Base Machine

Number of Openers: 21 Row Spacing: 6 In. Working Width: 10 Ft. 6 In. Transport Width: 12 Ft. 6 In. Opener Type: 13 In. Double Disk / Staggered Pattern Seedboot Types: Cast Aluminum or Cast Iron Opener Downpressure: 124 lbs. Maximum Metering: Fluted Feed Transport Ground Clearance: 5.5 In. Weight with Plain Box (7.5 In. Spacing): 1,600 lb. Weight with Combo Box (7.5 In. Spacing): 1,800 lb. Tires: 7.5-20, 4PR Rib Implement OR 7.5-20, 4PR Double-Rib Implement

Box Capacity (Plain Box):
2.8 Bushel/Ft. - 28 Bushel
Box Capacity (Combo Box):
3.4 Bushel/Ft.
40 Percent Grain: 13.5 Bushel
60 Percent Grain: 18.2 Bushel
100 Percent Grain: 27.6 Bushel
Box Capacity (Grass Seed): 1.5 Bushel
Acremeter: Standard
Assembly/Set-Up Time: 3 Man-Hours
for Base Machine, 1 Additional Hour
for Grass Seed Attachment
Warranty: 1 Year Parts and Labor

Code	Attachment Identifier	Description	Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
3002XF		BD1110 End Wheel Grain Drill, 6 In. Spacing, 21 Openers, and Standard Grain Agitator	17,822.00
		BOX TYPE	
1000		Plain Grain	In Base Price
1010		Combination Grain/Fertilizer	5,285.00
		OPENERS	
2035		Double Disk Aluminum Boot	In Base Price
2045		Double Disk Cast Iron Boot	1,956.00
		WHEELS AND TIRES	
3100		7.50 x 20 Farm Implement	In Base Price
3105		7.50 x 20 Double Rib	-114.00
		DESTINATION	
0195		Mexico	In Base Price
0202		English	No Added Cost
0184		Canada	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		English Export Manual,PDI and Decal Kit	In Base Price

BD1110 End Wheel Grain Drill, 6 In. Spacing, 21 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
0413		OPERATOR'S MANUAL AND DECALSContinued French Export Manual,PDI and Decal Kit	230.00
0437		Spanish Export Manual,PDI and Decal Kit	230.00
		GRASS SEED BOX	
8003		Grass Seed Box	2,935.00
		PRESS WHEELS	
8010		Depth Gauge Press Wheel Arm Less Wheel with Footboard Extension Brackets If Depth Gauge Press Wheel Arms are ordered, you must order option code 9009, or 9010, or 9012 Press Wheel.	1,271.00
		MISCELLANEOUS	
9005		Cover Chains	118.00
9060		Tru-Vee Opener Attachment For use with aluminum boot furrow openers only. Does not include opener.	7,161.00
		PRESS WHEELS	
9009		1 x 12 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,091.00
9010		2 x 13 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,084.00
9012		4 x 12 Double Rib Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,755.00
		SCRAPERS	
9040		Double Disk Outside Scrapers Must also order outside scraper conversion parts (option 9050) if used in combination with depth gauging press wheels.	462.00
9050		Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND double disk outside scrapers.	152.00
		ATTACHMENTS FOR FIELD CONVERSION	
	EVEDNIA 00 44 0	Miscellaneous	40.04
	5YTBN160419	Cover Chains, Quantity 10	42.91

BD1110 End Wheel Grain Drill, 6 In. Spacing, 21 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5YTAA80305	ATTACHMENTS FOR FIELD CONVERSIONContinued Depth Gauging Press Wheel 4 x 12 Double Rib, Quantity 1	93.51
	5YTBN280000	Depth Gauging Press Wheel Arm Less Wheel, Quantity 1 Must also order desired press wheels and footboard extension brackets.	66.00
	5YTBN211069	Double Disk Opener Assembly with Long Aluminum Boot	269.51
	5YTBN211071	Double Disk Opener Assembly with Long Cast Iron Boot	360.80
	5YTBN211068	Double Disk Opener Assembly with Short Aluminum Boot	261.80
	5YTBN211070	Double Disk Opener Assembly with Short Cast Iron Boot	355.31
	5YTAN282365	Double Disk Outside Scrapers, 10 Pair Must also order conversion parts if used in combination with depth gauging press wheels.	159.51
	5YTBN210945	Footboard Extension Brackets Order 1 for each machine to be equipped with depth gauging press wheels.	42.91
	5YT7015417	French Operators Manual, PDI, and Decal Kit (BD11 Drills)	238.71
	5YTBN907037	Grass Seed Attachment for 21 Openers For 21 opener, 6 In. spacing configuration.	3,138.31
	5YTAN212672	Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND outside scrapers.	157.31
	5YT7015416	Spanish Operators Manual, PDI, and Decal Kit	232.11
	5YTBN210047	Tru-Vee Opener Attachment, One Row For use with aluminum boot furrow openers only. Does not include opener.	341.00

Educational Services Commission of New Jersey NJ State Approved Co-op #65MCESCCPS FRONTIER PRODUCTS

Planting & Seeding

BD1110 End Wheel Grain Drill, 6 In. Spacing, 21 Openers, and Standard Grain Agitator Continued

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List Price

FRONTIER PRODUCTS

Planting & Seeding

BD1110 End Wheel Grain Drill, 7.5 In. Spacing, 17 Openers, and Standard Grain Agitator Equipment for Base Machine

Number of Openers: 17 Available Row Spacings: 7.5 In. Working Width: 10 Ft. 7 In. Transport Width: 12 Ft. 6 In. Opener Type: 13 In. Double Disk / Staggered Pattern Seedboot Types: Cast Aluminum or Cast Iron Opener Downpressure: 124 lbs. Maximum Metering: Fluted Feed Transport Ground Clearance: 5.5 In. Weight with Plain Box (7.5 In. Spacing): 1,600 lb. Weight with Combo Box (7.5 In. Spacing): 1,800 lb. Tires: 7.5-20, 4PR Rib Implement OR 7.5-20, 4PR Double-Rib Implement

Box Capacity (Plain Box):
2.8 Bushel/Ft. - 28 Bushel
Box Capacity (Combo Box):
3.4 Bushel/Ft.
40 Percent Grain: 13.5 Bushel
60 Percent Grain: 18.2 Bushel
100 Percent Grain: 27.6 Bushel
Box Capacity (Grass Seed): 1.5 Bushel
Acremeter: Standard
Assembly/Set-Up Time: 3 Man-Hours
for Base Machine, 1 Additional Hour
for Grass Seed Attachment
Warranty: 1 Year Parts and Labor

Code	Attachment Identifier	Description	Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
3004XF		BD1110 End Wheel Grain Drill, 7.5 In. Spacing, 17 Openers, and Standard Grain Agitator	16,909.00
		BOX TYPE	
1000		Plain Grain	In Base Price
1010		Combination Grain/Fertilizer	5,278.00
		OPENERS	
2035		Double Disk Aluminum Boot	In Base Price
2045		Double Disk Cast Iron Boot	1,540.00
		WHEELS AND TIRES	
3100		7.50 x 20 Farm Implement	In Base Price
3105		7.50 x 20 Double Rib	-114.00
		DESTINATION	
0195		Mexico	In Base Price
0202		English	No Added Cost
0184		Canada	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		English Export Manual,PDI and Decal Kit	In Base Price

BD1110 End Wheel Grain Drill, 7.5 In. Spacing, 17 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
0413		OPERATOR'S MANUAL AND DECALSContinued French Export Manual,PDI and Decal Kit	230.00
			230.00
0437		Spanish Export Manual,PDI and Decal Kit	230.00
		GRASS SEED BOX	
8003		Grass Seed Box	2,907.00
		PRESS WHEELS	
8010		Depth Gauge Press Wheel Arm Less Wheel with Footboard Extension Brackets If Depth Gauge Press Wheel Arms are ordered, you must order option code 9009, or 9010, or 9012 Press Wheel.	1,037.00
		MISCELLANEOUS	
9005		Cover Chains	78.00
9060		Tru-Vee Opener Attachment For use with aluminum boot furrow openers only. Does not include opener.	5,798.00
		PRESS WHEELS	
9009		1 x 12 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	883.00
9010		2 x 13 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	879.00
9012		4 x 12 Double Rib Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,420.00
		SCRAPERS	
9040		Double Disk Outside Scrapers Must also order outside scraper conversion parts (option 9050) if used in combination with depth gauging press wheels.	307.00
9050		Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND double disk outside scrapers.	152.00
		ATTACHMENTS FOR FIELD CONVERSION	
	EVTDN400440	Miscellaneous	40.04
	5YTBN160419	Cover Chains, Quantity 10	42.91

BD1110 End Wheel Grain Drill, 7.5 In. Spacing, 17 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5YTAA80305	ATTACHMENTS FOR FIELD CONVERSIONContinued Depth Gauging Press Wheel 4 x 12 Double Rib, Quantity 1	93.51
	5YTBN280000	Depth Gauging Press Wheel Arm Less Wheel, Quantity 1 Must also order desired press wheels and footboard extension brackets.	66.00
	5YTBN211069	Double Disk Opener Assembly with Long Aluminum Boot	269.51
	5YTBN211071	Double Disk Opener Assembly with Long Cast Iron Boot	360.80
	5YTBN211068	Double Disk Opener Assembly with Short Aluminum Boot	261.80
	5YTBN211070	Double Disk Opener Assembly with Short Cast Iron Boot	355.31
	5YTAN282365	Double Disk Outside Scrapers, 10 Pair Must also order conversion parts if used in combination with depth gauging press wheels.	159.51
	5YTBN210945	Footboard Extension Brackets Order 1 for each machine to be equipped with depth gauging press wheels.	42.91
	5YT7015417	French Operators Manual, PDI, and Decal Kit (BD11 Drills)	238.71
	5YTBN906607	Grass Seed Attachment for 17 Openers For 17 opener, 7.5 In. spacing configuration.	3,032.71
	5YTAN212672	Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND outside scrapers.	157.31
	5YT7015416	Spanish Operators Manual, PDI, and Decal Kit	232.11
	5YTBN210047	Tru-Vee Opener Attachment, One Row For use with aluminum boot furrow openers only. Does not include opener.	341.00

Grounds Equipment - Bid #ESCNJ 18/19-25

Planting & Seeding

BD1110 End Wheel Grain Drill, 7.5 In. Spacing, 17 Openers, and Standard Grain Agitator Continued

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Planting & Seeding

BD1113 End Wheel Grain Drill, 6 In. Spacing, 26 Openers, and Standard Grain Agitator Equipment for Base Machine

Number of Openers: 26 Available Row Spacings: 6 In. Working Width: 13 Ft. Transport Width: 15 Ft. 1 In. Opener Type: 13 In. Double Disk / Staggered Pattern Seedboot Types: Cast Aluminum or Cast Iron Opener Downpressure: 124 lbs. Maximum Metering: Fluted Feed Transport Ground Clearance: 5.5 In. Weight with Plain Box (7.5 In. Spacing): 2,225 lb. Weight with Combo Box (7.5 In. Spacing): 2,435 lb. Tires: 7.5-20, 4PR Rib Implement OR 7.5-20, 4PR Double-Rib Implement

Box Capacity (Plain Box):
2.8 Bushel/Ft. - 36.4 Bushel
Box Capacity (Combo Box):
3.4 Bushel/Ft.
40 Percent Grain: 17.5 Bushel
60 Percent Grain: 23.6 Bushel
100 Percent Grain: 35.9 Bushel
Box Capacity (Grass Seed): 1.7 Bushel
Acremeter: Standard
Assembly/Set-Up Time: 3 Man-Hours
for Base Machine, 1 Additional Hour
for Grass Seed Attachment
Warranty: 1 Year Parts and Labor

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
3003XF		BD1113 End Wheel Grain Drill, 6 In. Spacing, 26 Openers, and Standard Grain Agitator	20,784.00
		BOX TYPE	
1000		Plain Grain	In Base Price
1010		Combination Grain/Fertilizer	5,699.00
		OPENERS	
2035		Double Disk Aluminum Boot	In Base Price
2045		Double Disk Cast Iron Boot	2,356.00
		WHEELS AND TIRES	
3100		7.50 x 20 Farm Implement	In Base Price
3105		7.50 x 20 Double Rib	-114.00
		DESTINATION	
0195		Mexico	In Base Price
0202		English	No Added Cost
0184		Canada	No Added Cost
		OPERATOR'S MANUAL AND DECALS	

English Export Manual, PDI and Decal Kit

0409

In Base Price

BD1113 End Wheel Grain Drill, 6 In. Spacing, 26 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
0413		OPERATOR'S MANUAL AND DECALSContinued French Export Manual, PDI and Decal Kit	230.00
0437		Spanish Export Manual,PDI and Decal Kit	230.00
		GRASS SEED BOX	
8003		Grass Seed Box	3,059.00
8010		PRESS WHEELS Depth Gauge Press Wheel Arm Less Wheel with Footboard Extension Brackets	1,565.00
8010		If Depth Gauge Press Wheel Arms are ordered, you must order option code 9009, or 9010, or 9012 Press Wheel.	1,505.00
		MISCELLANEOUS	
9005		Cover Chains	118.00
9060		Tru-Vee Opener Attachment For use with aluminum boot furrow openers only. Does not include opener.	8,869.00
		PRESS WHEELS	
9009		1 x 12 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,349.00
9010		2 x 13 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,344.00
9012		4 x 12 Double Rib Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	2,173.00
		SCRAPERS	
9040		Double Disk Outside Scrapers Must also order outside scraper conversion parts (option 9050) if used in combination with depth gauging press wheels.	462.00
9050		Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND double disk outside scrapers.	152.00
		ATTACHMENTS FOR FIELD CONVERSION	
	5YTBN160419	Miscellaneous Cover Chains, Quantity 10	42.91

BD1113 End Wheel Grain Drill, 6 In. Spacing, 26 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5YTAA80305	ATTACHMENTS FOR FIELD CONVERSIONContinued Depth Gauging Press Wheel 4 x 12 Double Rib, Quantity 1	93.51
	5YTBN280000	Depth Gauging Press Wheel Arm Less Wheel, Quantity 1 Must also order desired press wheels and footboard extension brackets.	66.00
	5YTBN211069	Double Disk Opener Assembly with Long Aluminum Boot	269.51
	5YTBN211071	Double Disk Opener Assembly with Long Cast Iron Boot	360.80
	5YTBN211068	Double Disk Opener Assembly with Short Aluminum Boot	261.80
	5YTBN211070	Double Disk Opener Assembly with Short Cast Iron Boot	355.31
	5YTAN282365	Double Disk Outside Scrapers, 10 Pair Must also order conversion parts if used in combination with depth gauging press wheels.	159.51
	5YTBN210945	Footboard Extension Brackets Order 1 for each machine to be equipped with depth gauging press wheels.	42.91
	5YT7015417	French Operators Manual, PDI, and Decal Kit (BD11 Drills)	238.71
	5YTBN906612	Grass Seed Attachment for 26 Openers For 26 opener, 6 In. spacing configuration.	3,340.71
	5YTAN212672	Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND outside scrapers.	157.31
	5YT7015416	Spanish Operators Manual, PDI, and Decal Kit	232.11
	5YTBN210047	Tru-Vee Opener Attachment, One Row For use with aluminum boot furrow openers only. Does not include opener.	341.00

Educational Services Commission of New Jersey NJ State Approved Co-op #65MCESCCPS FRONTIER PRODUCTS

Planting & Seeding

BD1113 End Wheel Grain Drill, 6 In. Spacing, 26 Openers, and Standard Grain Agitator Continued

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List Price

FRONTIER PRODUCTS

Planting & Seeding

BD1113 End Wheel Grain Drill, 7.5 In. Spacing, 21 Openers, and Standard Grain Agitator Equipment for Base Machine

Number of Openers: 21 Available Row Spacings: 7.5 In. Working Width: 13 Ft. 1 In. Transport Width: 15 Ft. 1 In. Opener Type: 13 In. Double Disk / Staggered Pattern Seedboot Types: Cast Aluminum or Cast Iron Opener Downpressure: 124 lbs. Maximum Metering: Fluted Feed Transport Ground Clearance: 5.5 In. Weight with Plain Box (7.5 In. Spacing): 2,225 lb. Weight with Combo Box (7.5 In. Spacing): 2,435 lb. Tires: 7.5-20, 4PR Rib Implement OR 7.5-20, 4PR Double-Rib Implement

Box Capacity (Plain Box):
2.8 Bushel/Ft. - 36.4 Bushel
Box Capacity (Combo Box):
3.4 Bushel/Ft.
40 Percent Grain: 17.5 Bushel
60 Percent Grain: 23.6 Bushel
100 Percent Grain: 35.9 Bushel
Box Capacity (Grass Seed): 1.7 Bushel
Acremeter: Standard
Assembly/Set-Up Time: 3 Man-Hours
for Base Machine, 1 Additional Hour
for Grass Seed Attachment
Warranty: 1 Year Parts and Labor

Code	Attachment Identifier	Description	Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
3005XF		BD1113 End Wheel Grain Drill, 7.5 In. Spacing, 21 Openers, and Standard Grain Agitator	18,970.00
		BOX TYPE	
1000		Plain Grain	In Base Price
1010		Combination Grain/Fertilizer	5,688.00
		OPENERS	
2035		Double Disk Aluminum Boot	In Base Price
2045		Double Disk Cast Iron Boot	1,956.00
		WHEELS AND TIRES	
3100		7.50 x 20 Farm Implement	In Base Price
3105		7.50 x 20 Double Rib	-114.00
		DESTINATION	
0195		Mexico	In Base Price
0202		English	No Added Cost
0184		Canada	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		English Export Manual,PDI and Decal Kit	In Base Price

BD1113 End Wheel Grain Drill, 7.5 In. Spacing, 21 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
0413		OPERATOR'S MANUAL AND DECALSContinued French Export Manual,PDI and Decal Kit	230.00
0437		Spanish Export Manual,PDI and Decal Kit	230.00
		GRASS SEED BOX	
8003		Grass Seed Box	2,868.00
		PRESS WHEELS	
8010		Depth Gauge Press Wheel Arm Less Wheel with Footboard Extension Brackets If Depth Gauge Press Wheel Arms are ordered, you must order option code 9009, or 9010, or 9012 Press Wheel.	1,271.00
		MISCELLANEOUS	
9005		Cover Chains	118.00
9060		Tru-Vee Opener Attachment For use with aluminum boot furrow openers only. Does not include opener.	7,161.00
		PRESS WHEELS	
9009		1 x 12 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,091.00
9010		2 x 13 Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,084.00
9012		4 x 12 Double Rib Depth Gauge Press Wheel If code 8010 Press Wheel Arms are ordered, you must order a Depth Gauge Press Wheel (Option 9009, or 9010, or 9012). Press Wheel options include the necessary number of wheels for chosen machine configuration.	1,755.00
		SCRAPERS	
9040		Double Disk Outside Scrapers Must also order outside scraper conversion parts (option 9050) if used in combination with depth gauging press wheels.	462.00
9050		Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND double disk outside scrapers.	152.00
		ATTACHMENTS FOR FIELD CONVERSION	
	EVTDN400440	Miscellaneous	40.04
	5YTBN160419	Cover Chains, Quantity 10	42.91

BD1113 End Wheel Grain Drill, 7.5 In. Spacing, 21 Openers, and Standard Grain Agitator Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5YTAA80305	ATTACHMENTS FOR FIELD CONVERSIONContinued Depth Gauging Press Wheel 4 x 12 Double Rib, Quantity 1	93.51
	5YTBN280000	Depth Gauging Press Wheel Arm Less Wheel, Quantity 1 Must also order desired press wheels and footboard extension brackets.	66.00
	5YTBN211069	Double Disk Opener Assembly with Long Aluminum Boot	269.51
	5YTBN211071	Double Disk Opener Assembly with Long Cast Iron Boot	360.80
	5YTBN211068	Double Disk Opener Assembly with Short Aluminum Boot	261.80
	5YTBN211070	Double Disk Opener Assembly with Short Cast Iron Boot	355.31
	5YTAN282365	Double Disk Outside Scrapers, 10 Pair Must also order conversion parts if used in combination with depth gauging press wheels.	159.51
	5YTBN210945	Footboard Extension Brackets Order 1 for each machine to be equipped with depth gauging press wheels.	42.91
	5YT7015417	French Operators Manual, PDI, and Decal Kit (BD11 Drills)	238.71
	5YTBN906611	Grass Seed Attachment for 21 Openers For 21 opener, 7.5 In. spacing configuration.	3,190.00
	5YTAN212672	Outside Scraper Conversion Parts, 26 Pair Required on drill with depth gauging press wheels AND outside scrapers.	157.31
	5YT7015416	Spanish Operators Manual, PDI, and Decal Kit	232.11
	5YTBN210047	Tru-Vee Opener Attachment, One Row For use with aluminum boot furrow openers only. Does not include opener.	341.00

Educational Services Commission of New Jersey NJ State Approved Co-op #65MCESCCPS FRONTIER PRODUCTS

Planting & Seeding

BD1113 End Wheel Grain Drill, 7.5 In. Spacing, 21 Openers, and Standard Grain Agitator Continued

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Planting & Seeding

CS1360 Conservation Seeder, 5 Ft. Wide Single Large Seed Box

Equipment for Base Machine

Machine Weight: 1480 lbs. (Empty)
Tractor Horsepower: 30 HP Minimum
3 Point Hitch Type
Category I and II
Working Width: 60 In.
Overall Width: 73 In.
Unit Length: 67 In.
Unit Height: 48 In.
Large Seed Box / Stainless Steel Box /
Native Grass Seed Box Capacity:
4.36 Cubic Ft. (3.50 Bushel)
Legume Seed Box Capacity:
1.87 Cubic Ft. (1.50 Bushel)
Front Spike Roller:
15.75 In. OD with 72 Spikes
Rear Spike Roller:

15.75 In. OD with 114 Spikes
Rear Cultipacker Roller:
Fiber Reinforced Nylon Rings or
Cast Iron Rings
Roller Spikes: AR-500 Steel
Spike Roller Drive Ratio: 15:22
Seed Box Drive Ratio: 15:28 Standard
iMatch Compatible: Yes
Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category]
		BASE MACHINE	
3081XF		CS1360 Conservation Seeder, 5 Ft. Wide Single Large Seed Box	11,844.00
		SMALL SEED BOX	
1000		Small Seed Box For planting legumes and other small seeds.	In Base Price
1095		Less Small Seed Box	-1,305.00
		SECONDARY BOX	
2000		Stainless Steel Fertilizer Box	3,229.00
2010		Native Grass Box Includes paddle agitator and picker wheels.	2,389.00
2020		Second Large Seed Box	1,683.00
2095		Less Secondary Box	In Base Price
		REAR CULTIPACKER TYPE	
3000		Cast Iron Wheels	674.00
3010		Poly Wheels	In Base Price
		REAR CULTIPACKER SCRAPER	
9000		Rear Cultipacker Scraper For Cast Iron Wheels	198.00
9010		Rear Cultipacker Scraper for Nylon Wheels	198.00

ATTACHMENTS FOR FIELD CONVERSION

CS1360 Conservation Seeder, 5 Ft. Wide Single Large Seed Box Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		ATTACHMENTS FOR FIELD CONVERSIONContinued	
	5SBGSC012	Miscellaneous Additional Large Seed Box with Extended Chain Guard	2,592.71
	5SBGSC014	Native Grass Seed Box with Extended Chain Guard	2,828.11
	5SBGSC006	Rear Cultipacker Scraper for Cast Iron Wheels	205.71
	5SBGSC003	Rear Cultipacker Scraper for Nylon Wheels	205.71
	5SBGSC008	Small Seed Box	1,763.31
	5SBGSC010	Stainless Steel Fertilizer Box with Extended Chain Guard	4,007.31

PRONTIER PRODUCT

Planting & Seeding

CS1384 Conservation Seeder, 7 Ft. Wide Single Large Seed Box

Equipment for Base Machine

Machine Weight: 2090 lbs. (Empty)
Tractor Horsepower: 50 HP Min
3 Point Hitch Type Category I and II
Working Width: 84 In.
Overall Width: 98 In.
Unit Length: 76 In.
Unit Height: 54 In.
Large Seed Box / Stainless Steel Box /
Native Grass Seed Box Capacity:
10.27 Cubic Ft. (8.25 Bushel)
Legume Seed Box Capacity:
2.64 Cubic Ft. (2.12 Bushel)
Front Spike Roller:
19.75 In. OD with 132 Spikes
Rear Spike Roller:

19.75 In. OD with 150 Spikes
Rear Cultipacker Roller:
Fiber Reinforced Nylon Rings or
Cast Iron Rings
Roller Spikes: AR-500 Steel
Spike Roller Drive Ratio: 15:20
Seed Box Drive Ratio: 17:28 Standard
Cat II Quick Hitch Compatible: Yes
Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category]
		BASE MACHINE	
3082XF		CS1384 Conservation Seeder, 7 Ft. Wide Single Large Seed Box	16,741.00
		SMALL SEED BOX	
1000		Small Seed Box For planting legumes and other small seeds.	In Base Price
1095		Less Small Seed Box	-1,516.00
		SECONDARY BOX	
2000		Stainless Steel Fertilizer Box	3,555.00
2010		Native Grass Box Includes paddle agitator and picker wheels.	3,135.00
2020		Second Large Seed Box	2,006.00
2095		Less Secondary Box	In Base Price
		REAR CULTIPACKER TYPE	
3000		Cast Iron Wheels	890.00
3010		Poly Wheels	In Base Price
		REAR CULTIPACKER SCRAPER	
9000		Rear Cultipacker Scraper For Cast Iron Wheels	280.00
9010		Rear Cultipacker Scraper for Nylon Wheels	280.00
		ATTAQUMENTO FOR FIFUR CONVERGION	

ATTACHMENTS FOR FIELD CONVERSION

CS1384 Conservation Seeder, 7 Ft. Wide Single Large Seed Box Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		ATTACHMENTS FOR FIELD CONVERSION Continued	
		Missallansaus	
	5SBGSC013	Miscellaneous Additional Large Seed Box with Extended Chain Guard	3,394.60
	5SBGSC015	Native Grass Seed Box with Extended Chain Guard	3,867.60
	5SBGSC007	Rear Cultipacker Scraper for Cast Iron Wheels	290.40
	5SBGSC005	Rear Cultipacker Scraper for Nylon Wheels	290.40
	5SBGSC009	Small Seed Box	2,356.20
	5SBGSC011	Stainless Steel Fertilizer Box with Extended Chain Guard	5.115.00

Drive Spike Roller

List Price

FRONTIER PRODUCTS

Planting & Seeding

GS1048L OVERSEEDER SINGLE SEED BOX

Equipment for Base Machine

Machine Weight: 427 lbs. (Empty)
Tractor Horsepower: 38 HP Maximum
3 Point Hitch Type: Limited Category I
Working Width: 49.25 In.
Overall Width: 61.25 In.
Standard Single Seed Box (Optional Two Seed Box Configuration)
Primary Seed Box Capacity: 1 Bushel
Legume Seed Box Capacity: 1 Bushel
Front Spike Roller or Concave Notch Disc

Rear Cultipacker Roller: Fiber Reinforced Nylon Rings iMatch Compatible: Yes Cat I Quick Hitch Compatible: Yes Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
2991XF		GS1048L OVERSEEDER SINGLE SEED BOX	6,246.00
2001711		001010101011011011011011011011011011011	5,2 15155
		SEED BOX CONFIGURATION	
2721		IN BASE SINGLE SEED BOX GS1048L OVERSEEDER SINGLE SEED BOX	In Base Price
2722		BASE PLUS LEGUME SEED BOX GS1048L OVERSEEDER SINGLE & LEGUME SEED BOXES	1,812.00
		FRONT GANG	
7401		ANGLING SPIKE ROLLER 48" ANGLING SPIKE ROLLER	In Base Price
7402		CONCAVE DISC 48" ANGLING DISC	No Added Cost
		DESTINATION	
0202		UNITED STATES	In Base Price
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		OVERSEEDER ENGLISH OM/DECAL KIT	In Base Price
0413		OVERSEEDER FRENCH OM/DECAL KIT	No Added Cost
0437		OVERSEEDER SPANISH OM/DECAL KIT	No Added Cost
907B		ATTACHMENTS - ORDER AS DESIRED NYLON CULTIPACKER GS1048L NYLON CULTIPACKER - 5WD61166648	1,034.00

GS1048L OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		ATTACHMENTS - ORDER AS DESIREDContinued	
907C		FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 48 FRONT SPIKE RLR - 5WD61524348	149.00
907D		KIT SCRAPER FRONT DISC KIT SCRAPER 48 FRONT DISC - 5WD61166848	330.00
907E		KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 48 SPIKE DRIVE RLR - 5WD61564548	149.00
907G		KIT SCRAPER CULT NYLON KIT SCRAPER 48 CULT NYLON - 5WD61524648	149.00
		ATTACHMENTS FOR FIELD CONVERSION	
	5WD611740	Miscellaneous ACSY, FAST CHAIN DRIVE SEEDER	137.51
	5WD611741	ACSY, SLOW CHAIN DRIVE SEEDER	182.60
	5WD61166648	CULTIPKR 48 NYLON SDR ACCESSRY	1,098.79
	5WD61166848	DISC 48 SEEDER ACCESSORY	1,383.40
	5WD61166948	FRT RLR 48 SEEDER ACCESSORY	1,374.86
	5WD60435448	KIT GS1048L TOW HYD	2,530.00
	5WD61524648	KIT SCRAPER 48 CULT NYLON	155.11
	5WD61525048	KIT SCRAPER 48 FRONT DISC	342.11
	5WD61524348	KIT SCRAPER 48 FRONT SPIKE RLR	155.11
	5WD61564548	KIT SCRAPER 48 SPIKE DRIVE RLR	155.11
	5WD61160448	LEGUME 48 SEEDER ACCESSORY	1,923.71

List Price

FRONTIER PRODUCTS

Planting & Seeding

GS1060L OVERSEEDER SINGLE SEED BOX

Equipment for Base Machine

Machine Weight: 524 lbs. (Empty)
Tractor Horsepower: 45 HP Maximum
3 Point Hitch Type: Limited Category I
Working Width: 60 In.
Overall Width: 72 In.

Standard Single Seed Box (Optional Two Seed Box

Configuration)

Primary Seed Box Capacity: 1.25 Bushel Legume Seed Box Capacity: 1.25 Bushel Front Spike Roller or Concave Notch Disc

Drive Spike Roller

Rear Cultipacker Roller: Fiber Reinforced Nylon Rings iMatch Compatible: Yes Cat I Quick Hitch Compatible: Yes Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
2941XF		GS1060L OVERSEEDER SINGLE SEED BOX	7,065.00
			.,,,,,,,,,
		SEED BOX CONFIGURATION	
2721		IN BASE SINGLE SEED BOX GS1060L OVERSEEDER SINGLE SEED BOX	In Base Price
2722		BASE PLUS LEGUME SEED BOX GS1060L OVERSEEDER SINGLE & LEGUME SEED BOXES	1,873.00
		FRONT GANG	
7401		ANGLING SPIKE ROLLER 60" ANGLING SPIKE ROLLER	In Base Price
7402		CONCAVE DISC 60" ANGLING DISC	No Added Cost
		DESTINATION	
0202		UNITED STATES	In Base Price
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		OVERSEEDER ENGLISH OM/DECAL KIT	In Base Price
0413		OVERSEEDER FRENCH OM/DECAL KIT	No Added Cost
0437		OVERSEEDER SPANISH OM/DECAL KIT	No Added Cost
907B		ATTACHMENTS - ORDER AS DESIRED NYLON CULTIPACKER GS1060L NYLON CULTIPACKER - 5WD61166660	1,140.00

GS1060L OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		ATTACHMENTS - ORDER AS DESIREDContinued	
907C		FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 60 FRONT SPIKE RLR - 5WD61524360	160.00
907D		KIT SCRAPER FRONT DISC KIT SCRAPER 60 FRONT DISC - 5WD61166860	330.00
907E		KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 60 SPIKE DRIVE RLR - 5WD61564560	160.00
907G		KIT SCRAPER CULT NYLON KIT SCRAPER 60 CULT NYLON - 5WD61524660	160.00
		ATTACHMENTS FOR FIELD CONVERSION	
	5WD611740	Miscellaneous ACSY, FAST CHAIN DRIVE SEEDER	137.51
	5WD611741	ACSY, SLOW CHAIN DRIVE SEEDER	182.60
	5WD61166660	CULTIPKR 60 NYLON SDR ACCESSRY	1,182.51
	5WD61166860	DISC 60 SEEDER ACCESSORY	1,514.71
	5WD61166960	FRT RLR 60 SEEDER ACCESSORY	1,514.71
	5WD60435460	KIT GS1060L TOW HYD	2,608.11
	5WD61524660	KIT SCRAPER 60 CULT NYLON	166.11
	5WD61525060	KIT SCRAPER 60 FRONT DISC	342.11
	5WD61524360	KIT SCRAPER 60 FRONT SPIKE RLR	166.11
	5WD61564560	KIT SCRAPER 60 SPIKE DRIVE RLR	166.11
	5WD61160460	LEGUME 60 SEEDER ACCESSORY	1,943.71

Native Seed Box Capacity:

5 Bushel

FRONTIER PRODUCTS

Planting & Seeding

GS1148 OVERSEEDER SINGLE SEED BOX

Equipment for Base Machine

Machine Weight: 779 lbs. (Empty)
Tractor Horsepower: 35 HP Minimum
3 Point Hitch Type
Category I and II
Working Width: 49.25 In.
Overall Width: 61.25 In.
Standard Single Seed Box (Optional Three Seed Box Configuration)
Primary Seed Box Capacity:
4 Bushel
Legume Seed Box Capacity:
1 Bushel

Front Spike Roller or Concave Notch Disc Drive Spike Roller Rear Cultipacker Roller: Fiber Reinforced Nylon Rings or Cast Iron Rings iMatch Compatible: Yes Cat II Quick Hitch Compatible: Yes Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category]
		BASE MACHINE	
2951XF		GS1148 OVERSEEDER SINGLE SEED BOX	5,122.00
		SEED BOX CONFIGURATION	
2721		IN BASE SINGLE SEED BOX GS1148 OVERSEEDER SINGLE SEED BOX	No Added Cost
2722		BASE PLUS LEGUME SEED BOX GS1148 OVERSEEDER SINGLE & LEGUME SEED BOXES	2,281.00
2723		BASE PLUS LEGUME AND NATIVE SEED BOXES GS1148 OVERSEEDER SINGLE, LEGUME & NATIVE SEED BOXES	4,561.00
		FRONT GANG	
7401		ANGLING SPIKE ROLLER 48" ANGLING SPIKE ROLLER - 5WD103565048	1,629.00
7402		CONCAVE DISC 48" ANGLING DISC - 5WD103465648	1,629.00
7403		WAVE DISC 48" ANGLING DISC - 5WD60435848	2,070.00
		DESTINATION	
0202		UNITED STATES	No Added Cost
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		OVERSEEDER ENGLISH OM/DECAL KIT	No Added Cost

GS1148 OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
0413		OPERATOR'S MANUAL AND DECALSContinued OVERSEEDER FRENCH OM/DECAL KIT	No Added Cost
0437		OVERSEEDER SPANISH OM/DECAL KIT	No Added Cost
		ATTACHMENTS - ORDER AS DESIRED	
907A		CAST IRON CULTIPACKER GS1148 CAST IRON CULTIPACKER - 5WD103465548	1,319.00
907B		NYLON CULTIPACKER GS1148 NYLON CULTIPACKER - 5WD103877748	1,319.00
907C		FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 48 FRONT SPIKE RLR - 5WD103646848	191.00
907D		KIT SCRAPER OVERSEEDER CONCAVE DISC - 5WD1036470	421.00
907E		KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 48 SPIKE DRIVE RLR - 5WD103646948	191.00
907F		KIT SCRAPER CULT CAST IRON KIT SCRAPER 48 CULT CAST IRON - 5WD103642048	191.00
907G		KIT SCRAPER CULT NYLON KIT SCRAPER 48 CULT NYLON - 5WD103642148	191.00
907J		LIGHT KIT - 5WD604387	549.00
		ATTACHMENTS FOR FIELD CONVERSION	
	5WD1036396	Miscellaneous ACSY, SLOW CHAIN DRIVE SEEDER	744.71
	5WD1036395	ACSY, SLOW CHAIN DRIVE SEEDER	425.71
	5WD103877748	CULTIPKR 48 NYLON SDR ACCESSRY	1,368.40
	5WD103465548	CULTIPKR 48 SEEDER ACCESSORY	1,368.40
	5WD103465648	DISC 48 SEEDER ACCESSORY	1,690.71
	5WD103565048	FRT RLR 48 SEEDER ACCESSORY	1,690.71
	5WD103642048	KIT SCRAPER 48 CULT CAST IRON	198.00
	5WD103642148	KIT SCRAPER 48 CULT NYLON	198.00
	5WD103646848	KIT SCRAPER 48 FRONT SPIKE RLR	198.00
	5WD103646948	KIT SCRAPER 48 SPIKE DRIVE RLR	198.00
	5WD1036470	KIT SCRAPER DISC SEEDER	436.71
	5WD1038658	KIT SEED STOP SEEDER	37.40
	5WD60435248	KIT, GS1148 TOW	4,337.31

GS1148 OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5WD604387	ATTACHMENTS FOR FIELD CONVERSIONContinued KIT, PSS LIGHTS ACSY	569.80
	5WD103567848	LEGUME 48 SEEDER ACCESSORY	2,393.60
	5WD103568048	NATIVE 48 SEEDER ACCESSORY	2,393.60
	5WD60435848	WAVY DISC 48 SEEDER ACCESSORY	2.148.31

Educational Services Commission of New Jersey NJ State Approved Co-op #65MCESCCPS FRONTIER PRODUCTS

Planting & Seeding

GS1148 OVERSEEDER SINGLE SEED BOX

Continued

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6.25 Bushel

List Price

FRONTIER PRODUCTS

Planting & Seeding

GS1160 OVERSEEDER SINGLE SEED BOX

Equipment for Base Machine

Machine Weight: 861 lbs. (Empty)
Tractor Horsepower: 45 HP Minimum
3 Point Hitch Type
Category I and II
Working Width: 60 In.
Overall Width: 72 In.
Standard Single Seed Box (Optional Three Seed Box Configuration)
Primary Seed Box Capacity:
5 Bushel
Legume Seed Box Capacity:
1.25 Bushel
Native Seed Box Capacity:

Front Spike Roller or Concave Notch Disc Drive Spike Roller Rear Cultipacker Roller: Fiber Reinforced Nylon Rings or Cast Iron Rings iMatch Compatible: Yes Cat II Quick Hitch Compatible: Yes Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category]
		BASE MACHINE	
2961XF		GS1160 OVERSEEDER SINGLE SEED BOX	5,774.00
		SEED BOX CONFIGURATION	
2721		IN BASE SINGLE SEED BOX GS1160 OVERSEEDER SINGLE SEED BOX	No Added Cost
2722		BASE PLUS LEGUME SEED BOX GS1160 OVERSEEDER SINGLE & LEGUME SEED BOXES	2,359.00
2723		BASE PLUS LEGUME AND NATIVE SEED BOXES GS1160 OVERSEEDER SINGLE, LEGUME & NATIVE SEED BOXES	4,717.00
		FRONT GANG	
7401		ANGLING SPIKE ROLLER 60" ANGLING SPIKE ROLLER - 5WD103565060	1,837.00
7402		CONCAVE DISC 60" ANGLING DISC - 5WD103465660	1,837.00
7403		WAVE DISC 60" ANGLING DISC - 5WD60435860	2,405.00
		DESTINATION	
0202		UNITED STATES	No Added Cost
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		OVERSEEDER ENGLISH OM/DECAL KIT	No Added Cost

GS1160 OVERSEEDER SINGLE SEED BOX

Attachment Identifier	Description	List Price Suggested USD (\$)
	OPERATOR'S MANUAL AND DECALSContinued OVERSEEDER FRENCH OM/DECAL KIT	No Added Cost
	OVERSEEDER SPANISH OM/DECAL KIT	No Added Cost
	ATTACHMENTS - ORDER AS DESIRED	
	CAST IRON CULTIPACKER GS1160 CAST IRON CULTIPACKER - 5WD103465560	1,453.00
	NYLON CULTIPACKER GS1160 NYLON CULTIPACKER - 5WD103877760	1,453.00
	FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 60 FRONT SPIKE RLR - 5WD103646860	205.00
	KIT SCRAPER OVERSEEDER CONCAVE DISC - 5WD1036470	421.00
	KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 60 SPIKE DRIVE RLR - 5WD103646960	205.00
	KIT SCRAPER CULT CAST IRON KIT SCRAPER 60 CULT CAST IRON - 5WD103642060	205.00
	KIT SCRAPER CULT NYLON KIT SCRAPER 60 CULT NYLON - 5WD103642160	205.00
	LIGHT KIT - 5WD604387	549.00
	ATTACHMENTS FOR FIELD CONVERSION	
5WD1036396	Miscellaneous ACSY, SLOW CHAIN DRIVE SEEDER	744.71
5WD1036395	ACSY, SLOW CHAIN DRIVE SEEDER	425.71
5WD103877760	CULTIPKR 60 NYLON SDR ACCESSRY	1,508.11
5WD103465560	CULTIPKR 60 SEEDER ACCESSORY	1,508.11
5WD103465660	DISC 60 SEEDER ACCESSORY	1,906.31
5WD103565060	FRT RLR 60 SEEDER ACCESSORY	1,906.31
5WD103642060	KIT SCRAPER 60 CULT CAST IRON	212.31
5WD103642160	KIT SCRAPER 60 CULT NYLON	212.31
5WD103646860	KIT SCRAPER 60 FRONT SPIKE RLR	212.31
5WD103646960	KIT SCRAPER 60 SPIKE DRIVE RLR	212.31
5WD1036470	KIT SCRAPER DISC SEEDER	436.71
5WD1038658	KIT SEED STOP SEEDER	37.40
	5WD1036396 5WD1036395 5WD103877760 5WD103465560 5WD103465600 5WD103642060 5WD103642060 5WD103642060 5WD103642060	Description OPERATOR'S MANUAL AND DECALSContinued OVERSEDER FRENCH OM/DECAL KIT ATTACHMENTS - ORDER AS DESIRED CAST IRON CULTIPACKER GS1160 AST IRON CULTIPACKER - SWD103465560 NYLON CULTIPACKER GS1160 NYLON CULTIPACKER - SWD103877760 FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 60 FRONT SPIKE DRIVE RLR KIT SCRAPER 60 FRONT SPIKE DRIVE RLR KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 60 SPIKE DRIVE RLR KIT SCRAPER 60 CULT CAST IRON KIT SCRAPER 60 CULT NYLON CHARLES FOR FIELD CONVERSION MISCEllaneous ACSY, SLOW CHAIN DRIVE SEEDER 5WD1036396 ACSY, SLOW CHAIN DRIVE SEEDER 5WD103645660 CULTIPKR 60 SEEDER ACCESSORY 5WD103656060 FRT RLR 60 SEEDER ACCESSORY 5WD103656060 KIT SCRAPER 60 CULT CAST IRON 5WD103642660 KIT SCRAPER 60 CULT CAST IRON 5WD103646860 KIT SCRAPER 60 CULT CAST IRON 5WD103646860 KIT SCRAPER 60 CULT CAST IRON 5WD103646860 KIT SCRAPER 60 CULT NYLON 5WD103646860 KIT SCRAPER 60 CULT NYLON 5WD103646860 KIT SCRAPER 60 SPIKE DRIVE RLR

GS1160 OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5WD604387	ATTACHMENTS FOR FIELD CONVERSIONContinued KIT, PSS LIGHTS ACSY	569.80
	5WD103567860	LEGUME 60 SEEDER ACCESSORY	2,475.00
	5WD103568060	NATIVE 60 SEEDER ACCESSORY	2,475.00
	5WD60435860	WAVY DISC 60 SEEDER ACCESSORY	2 495 91

Educational Services Commission of New Jersey NJ State Approved Co-op #65MCESCCPS FRONTIER PRODUCTS

Planting & Seeding

GS1160 OVERSEEDER SINGLE SEED BOX Continued				

7.5 Bushel

List Price

FRONTIER PRODUCTS

Planting & Seeding

GS1172 OVERSEEDER SINGLE SEED BOX

Equipment for Base Machine

Machine Weight: 1132 lbs. (Empty)
Tractor Horsepower: 55 HP Minimum
3 Point Hitch Type
Category I and II
Working Width: 72 In.
Overall Width: 84 In.
Standard Single Seed Box (Optional Three Seed Box Configuration)
Primary Seed Box Capacity:
6 Bushel
Legume Seed Box Capacity:
1.5 Bushel
Native Seed Box Capacity:

Front Spike Roller or Concave Notch Disc Drive Spike Roller Rear Cultipacker Roller: Fiber Reinforced Nylon Rings or Cast Iron Rings iMatch Compatible: Yes Cat II Quick Hitch Compatible: Yes Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	Suggested USD (\$)
		Select One Code From Each Required Category]
		BASE MACHINE	
2971XF		GS1172 OVERSEEDER SINGLE SEED BOX	6,626.00
		SEED BOX CONFIGURATION	
2721		IN BASE SINGLE SEED BOX GS1172 OVERSEEDER SINGLE SEED BOX	No Added Cost
2722		BASE PLUS LEGUME SEED BOX GS1172 OVERSEEDER SINGLE & LEGUME SEED BOXES	2,458.00
2723		BASE PLUS LEGUME AND NATIVE SEED BOXES GS1172 OVERSEEDER SINGLE, LEGUME & NATIVE SEED BOXES	4,915.00
		FRONT GANG	
7401		ANGLING SPIKE ROLLER 72" ANGLING SPIKE ROLLER - 5WD103565072	2,135.00
7402		CONCAVE DISC 72" ANGLING DISC - 5WD103465672	2,135.00
7403		WAVE DISC 72" ANGLING DISC - 5WD60435872	2,817.00
		DESTINATION	
0202		UNITED STATES	No Added Cost
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		OVERSEEDER ENGLISH OM/DECAL KIT	No Added Cost

GS1172 OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
0413		OPERATOR'S MANUAL AND DECALSContinued OVERSEEDER FRENCH OM/DECAL KIT	No Added Cost
0437		OVERSEEDER SPANISH OM/DECAL KIT	No Added Cost
		ATTACHMENTS - ORDER AS DESIRED	
907A		CAST IRON CULTIPACKER GS1172 CAST IRON CULTIPACKER - 5WD103465572	1,604.00
907B		NYLON CULTIPACKER GS1172 NYLON CULTIPACKER - 5WD103877772	1,604.00
907C		FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 72 FRONT SPIKE RLR - 5WD103646872	225.00
907D		KIT SCRAPER OVERSEEDER CONCAVE DISC - 5WD1036470	421.00
907E		KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 72 SPIKE DRIVE RLR - 5WD103646972	225.00
907F		KIT SCRAPER CULT CAST IRON KIT SCRAPER 72 CULT CAST IRON - 5WD103642072	225.00
907G		KIT SCRAPER CULT NYLON KIT SCRAPER 72 CULT NYLON - 5WD103642172	225.00
907J		LIGHT KIT - 5WD604387	549.00
		ATTACHMENTS FOR FIELD CONVERSION	
	5WD1036396	Miscellaneous ACSY, SLOW CHAIN DRIVE SEEDER	744.71
	5WD1036395	ACSY, SLOW CHAIN DRIVE SEEDER	425.71
	5WD103877772	CULTIPKR 72 NYLON SDR ACCESSRY	1,664.31
	5WD103465572	CULTIPKR 72 SEEDER ACCESSORY	1,664.31
	5WD103465672	DISC 72 SEEDER ACCESSORY	2,215.40
	5WD103565072	FRT RLR 72 SEEDER ACCESSORY	2,215.40
	5WD103642072	KIT SCRAPER 72 CULT CAST IRON	233.20
	5WD103642172	KIT SCRAPER 72 CULT NYLON	233.20
	5WD103646872	KIT SCRAPER 72 FRONT SPIKE RLR	233.20
	5WD103646972	KIT SCRAPER 72 SPIKE DRIVE RLR	233.20
	5WD1036470	KIT SCRAPER DISC SEEDER	436.71
	5WD1038658	KIT SEED STOP SEEDER	37.40

GS1172 OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5WD604387	ATTACHMENTS FOR FIELD CONVERSIONContinued KIT, PSS LIGHTS ACSY	569.80
	5WD103567872	LEGUME 72 SEEDER ACCESSORY	2,579.51
	5WD103568072	NATIVE 72 SEEDER ACCESSORY	2,579.51
	5WD60435872	WAVY DISC 72 SEEDER ACCESSORY	2,923.80

Educational Services Commission of New Jersey NJ State Approved Co-op #65MCESCCPS FRONTIER PRODUCTS

Planting & Seeding

GS1172 OVERSEEDER SINGLE	SEED	BOX
Continued		

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8.75 Bushel

FRONTIER PRODUCTS

Planting & Seeding

GS1184 OVERSEEDER SINGLE SEED BOX

Equipment for Base Machine

Machine Weight: 1249 lbs. (Empty)
Tractor Horsepower: 65 HP Minimum
3 Point Hitch Type
Category I and II
Working Width: 84 In.
Overall Width: 96 In.
Standard Single Seed Box (Optional Three Seed Box Configuration)
Primary Seed Box Capacity:
7 Bushel
Legume Seed Box Capacity:
1.75 Bushel
Native Seed Box Capacity:

Front Spike Roller or Concave Notch Disc Drive Spike Roller Rear Cultipacker Roller: Fiber Reinforced Nylon Rings or Cast Iron Rings iMatch Compatible: Yes Cat II Quick Hitch Compatible: Yes Approximate Set-up Time: 1 Man Hour

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		Select One Code From Each Required Category]
		BASE MACHINE	
2981XF		GS1184 OVERSEEDER SINGLE SEED BOX	7,742.00
		SEED BOX CONFIGURATION	
2721		IN BASE SINGLE SEED BOX GS1184 OVERSEEDER SINGLE SEED BOX	No Added Cost
2722		BASE PLUS LEGUME SEED BOX GS1184 OVERSEEDER SINGLE & LEGUME SEED BOXES	2,585.00
2723		BASE PLUS LEGUME AND NATIVE SEED BOXES GS1184 OVERSEEDER SINGLE, LEGUME & NATIVE SEED BOXES	5,172.00
		FRONT GANG	
7401		ANGLING SPIKE ROLLER 84" ANGLING SPIKE ROLLER - 5WD103565084	2,509.00
7402		CONCAVE DISC 84" ANGLING DISC - 5WD103465684	2,509.00
7403		WAVE DISC 84" ANGLING DISC - 5WD60435884	3,185.00
		DESTINATION	
0202		UNITED STATES	No Added Cost
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
		OPERATOR'S MANUAL AND DECALS	
0409		OVERSEEDER ENGLISH OM/DECAL KIT	No Added Cost

GS1184 OVERSEEDER SINGLE SEED BOX

Attachment Identifier	Description	List Price Suggested USD (\$)
	OPERATOR'S MANUAL AND DECALSContinued OVERSEEDER FRENCH OM/DECAL KIT	No Added Cost
	OVERSEEDER SPANISH OM/DECAL KIT	No Added Cost
	ATTACHMENTS - ORDER AS DESIRED	
	CAST IRON CULTIPACKER GS1184 CAST IRON CULTIPACKER - 5WD103465584	1,748.00
	NYLON CULTIPACKER GS1184 NYLON CULTIPACKER - 5WD103877784	1,748.00
	FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 84 FRONT SPIKE RLR - 5WD103646884	244.00
	KIT SCRAPER OVERSEEDER CONCAVE DISC - 5WD1036470	421.00
	KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 84 SPIKE DRIVE RLR - 5WD103646984	244.00
	KIT SCRAPER CULT CAST IRON KIT SCRAPER 84 CULT CAST IRON - 5WD103642084	244.00
	KIT SCRAPER CULT NYLON KIT SCRAPER 84 CULT NYLON - 5WD103642184	244.00
	LIGHT KIT - 5WD604387	549.00
	ATTACHMENTS FOR FIELD CONVERSION	
5WD1036396	Miscellaneous ACSY, SLOW CHAIN DRIVE SEEDER	744.71
5WD1036395	ACSY, SLOW CHAIN DRIVE SEEDER	425.71
5WD103877784	CULTIPKR 84 NYLON SDR ACCESSRY	1,813.91
5WD103465584	CULTIPKR 84 SEEDER ACCESSORY	1,813.91
5WD103465684	DISC 84 SEEDER ACCESSORY	2,603.71
5WD103565084	FRT RLR 84 SEEDER ACCESSORY	2,603.71
5WD103642084	KIT SCRAPER 84 CULT CAST IRON	253.00
5WD103642184	KIT SCRAPER 84 CULT NYLON	253.00
5WD103646884	KIT SCRAPER 84 FRONT SPIKE RLR	253.00
5WD103646984	KIT SCRAPER 84 SPIKE DRIVE RLR	253.00
5WD1036470	KIT SCRAPER DISC SEEDER	436.71
5WD1038658	KIT SEED STOP SEEDER	37.40
5WD60435284	KIT, GS1184 TOW	4,466.00
	5WD1036396 5WD1036395 5WD1036395 5WD103877784 5WD103465584 5WD103465684 5WD103642084 5WD103642084 5WD103642084 5WD103642084	OPERATOR'S MANUAL AND DECALSContinued OVERSEEDER FRENCH OM/DECAL KIT OVERSEEDER SPANISH OM/DECAL KIT ATTACHMENTS - ORDER AS DESIRED CAST IRON CULTIPACKER GS1184 CAST IRON CULTIPACKER - SWD10346584 NYLON CULTIPACKER GS1184 NYLON CULTIPACKER - SWD103877784 FRONT SPIKED ROLLER SCRAPER KIT KIT SCRAPER 84 FRONT SPIKE RLR - SWD103646884 KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 84 SPIKE DRIVE RLR - SWD103646984 KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER SPIKE DRIVE RLR KIT SCRAPER 84 CULT CAST IRON - SWD103642084 KIT SCRAPER CULT NYLON - SWD103642184 LIGHT KIT - 5WD604387 ATTACHMENTS FOR FIELD CONVERSION Miscellaneous SWD1036396 ACSY, SLOW CHAIN DRIVE SEEDER 5WD103877784 CULTIPKR 84 NYLON SDR ACCESSRY 5WD103465684 DISC 84 SEEDER ACCESSORY 5WD103465684 KIT SCRAPER 84 CULT CAST IRON 5WD103642084 KIT SCRAPER 84 CULT CAST IRON 5WD103664084 KIT SCRAPER 84 CULT CAST IRON 5WD103642084 KIT SCRAPER 84 CULT CAST IRON 5WD103646984 KIT SCRAPER 84 SPIKE DRIVE RLR 5WD103646984 KIT SCRAPER 84 SPIKE DRIVE RLR 5WD103646984 KIT SCRAPER 84 SPIKE DRIVE RLR 5WD10364670 KIT SCRAPER 84 SPIKE DRIVE RLR

GS1184 OVERSEEDER SINGLE SEED BOX

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	5WD604387	ATTACHMENTS FOR FIELD CONVERSIONContinued KIT, PSS LIGHTS ACSY	569.80
	5WD103567884	LEGUME 84 SEEDER ACCESSORY	2,714.80
	5WD103568084	NATIVE 84 SEEDER ACCESSORY	2,714.80
	5WD60435884	WAVY DISC 84 SEEDER ACCESSORY	3,305.51

Educational Services Commission of New Jersey NJ State Approved Co-op #65MCESCCPS FRONTIER PRODUCTS

Planting & Seeding

GS1184 OVERSEEDER SINGLE SEED BOX Continued

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List Price

FRONTIER PRODUCTS

Planting & Seeding

TR2058 - 58 In. PTO Driven Overseeder

Equipment for Base Machine

Working Width: 58 In.
Shipping Weight: 1188 lbs.
Rotor RPM: 231 RPM
PTO RPM: 540 RPM
PTO HP: 25 to 50 HP
Operational Weight: 998 lbs.
Number Of Flanges: 18
Number Of Blades: 52
Hopper Capacity: 5.3 Cubic Ft.
Category I 3-Point Hitch
Assembly/Set-Up Time:
30 Minutes (Approximate)
Overall Width: 66 In.

5BP0099875

Gauge Wheels

Tilling Rotor Complete with C-Blades:
Optional (7 In. depth)
Rear Roller Scraper: Optional
Gauge Wheels: Optional
Front Roller: Optional
Note: Gauge Wheels and Front Roller
Can Not be Used Together

Code	Attachment Identifier	Description	Suggested USD (\$)
		Select One Code From Each Required Category	
		BASE MACHINE	
3041XF		TR2058 - 58 In. PTO Driven Overseeder	10,767.00
9000		FRONT ROLLER Front Roller Can not be used in conjunction with Gauge Wheels.	740.00
9020		REAR ROLLER Rear Roller Scraper	275.00
9030		TILLING ROLLER Tilling Roller Includes C-Blades.	620.00
9010		GAUGE WHEELS Gauge Wheels Can not be used in conjunction with Front Roller.	440.00
9450		ATTACHMENTS - ORDER AS DESIRED TR2058 SEED CONVEYORS	133.00
		ATTACHMENTS FOR FIELD CONVERSION	
	5BP0099516	Miscellaneous Front Roller	767.80
		0 1411 1	

456.51

TR2058 - 58 In. PTO Driven Overseeder

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
	BLV11200	ATTACHMENTS FOR FIELD CONVERSIONContinued John Deere Quik-Knect Driveline Yoke Bundle Tractor Receiver Part number: BLV10953	275.00
		At least one tractor receiver bundle is needed per tractor. This bundle is removable and can be used on various tractors within the compatibility.	
		One implement driveline yoke bundle is needed per implement, and remains with implement at all times (field install required).	
	5BP0099539	Rear Roller Scraper	284.91
	5BP0099140	TR2058 SEED CONVEYORS	137.51
	5BP0099517	Tilling Rotor Includes C-Blades	643.51