| CLASSIC SERIES | CLASSIC AIRE SERIES | ADVANCED SERIES | STEP 4 SERIES /W GPM |
|---|---|---|---|
| One button programmable logic controls with variable settings. | One button programmable logic controls with variable settings. | Big John computerized control system | The Step 4 uses the new Step 4 software system which uses a Rugged Armor Computer |
| Seed population is controlled by transmission sprockets and seed plates. | Seed population is controlled by transmission sprockets and seed plates. | Up to 9 preset population settings, variable from plot to plot. | Unlimitted randomize populations programmed before planting or on the fly during planting. |
| Planter settings are changed in the PLC in the field as needed. | Planter settings are changed in the PLC in the field as needed. | Pre field setups, most settings can be entered prior to going to the field. Previous settings can be saved in a data file and re-used. | Pre field setups and field plot layouts can be done from the comfort of your office, prior to going to the field and minimize settings after you arrive at the planting location. |
| Seed spacing is controlled by transmission sprockets and seed plates | Seed spacing is controlled by transmission sprockets and seed plates. | The Advanced planter has infinite seed spacing ability. | The Step 4 has infinite seed spacing and can also be set prior to the field or at the field location. |
| A "Dickey John" is optional for seed monitoring. alleys are determined by field marking | A "Dickey John" is optional for seed monitoring. alleys are determined by field marking | Armor shows seeds being dropped, number of seeds planted in a plot length or per acre. | Armor shows seeds being dropped, number of seeds planted in a plot length or per acre. You can change this by population count or seeds per plot, in the field. |
| Alley lengths are effected by tractor speed, manual intervention and timing. In some cases the alleys may be one or two seeds off and require manual trimming in the alley ways. | Alley lengths are effected by tractor speed, manual intervention and timing. The Classic Aire has alley wipers for a more crisp alley way and helps to eliminate manual trimming. | The plot lengths are preset assuring consistency in the rows and alley lengths. No need to trim. | The plot length are preset assuring consistency in the rows and alley lengths. No need to trim. |
| Field mapping not applicable | Can be upgraded to Field Mapping and GPS tripping | Number of Ranges can be preset, depending on field length and plot lengths | Full and complete field mapping including any GSI overlay maps like satellite imagery or soil maps. |
| A decal has been applied to the PLC showing the different settings and how to use them. | A decal has been applied to the PLC showing the different settings and how to use them. In addition it shows an alley wiper adjustment. | It has a built in Help Screen to assist the operator with various functions. | On the Step 4 you just type in your plot lengths and alley lengths and it automatically sets them. |
| An electric air compressor and a battery are standard on the Classic | Self contained electrical system with alternator and battery are standard equipment. | Self contained electrical system with alternator and battery are standard equipment. | Self contained electrical system with alternator and battery as standard equipment. |
| Vacuum chambers for collecting excess seeds, manual or automatic | Vacuum chambers for collecting excess seeds, manual or automatic | Vacuum chambers for collecting excess seeds, manual or automatic | Vacuum chambers for collecting excess seeds, manual or automatic |
| Not applicable | The air compressor can be used for other functions other than the planter. | The air compressor can be used for other functions other than the planter | The air compressor can be used for other function other than the planter |
| If cost and simplicity is critical the Classic Planter is a good choice, and it can be upgraded at anytime to a more precision type planter. The Classic can plant from zero to infinite plot lengths. | The Classic Aire has all the functions as the Classic but with more crisp alley ways, air actuators on all gates. The additional cost over the Classic planter is well worth it and the Classic Aire can be easily upgraded. | The Advanced Series is fully programmable to meet all the needs and functions of the researcher, resulting in a more complex planting methods. There is no need for alley trimming, thus saving lots of labor hours and time in the field. The Advanced Series is excellent for putting in a large number of plots in a short amount of time. | The Step 4 Planter utilizing the Global Plot Management system is the most advanced planting system in the industry. It's functions are almost unlimited, listed below are just a few of those functions. Create field plots from the comfort of your office, view field plot layouts on your computer screen as well as being able to detect pivot irrigation tracts, water ways, drainage canals, field obstructions, poor growing areas, gravel spots, etc. More accurate than tapes or measuring wheels, only takes one person to layout an entire field, gives an automatic AB line without driving it, simple to verify your field boundaries, 360 degree rotation of your plots, guarantee the plot to be square without marking an AB line, you are ready to plant when you get to the field, trips the planter with perfection, no extra or missing packets at the end of the first pass, all points in a plot are traceable, GPS compatible with any RTK signal, change field layouts in the field in minutes, random plot lengths and populations. |
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GPM

**This is a "quick view" comparison between each of the SRES planters and the features that each of them bring to the research industry . For more information please contact SRES at 620-357-7737 or visit our website at www.sresweb.com**