**How to achieve high seed singulation with the GreenSeeder**

GreenSeeder has been designed to achieve at least 85 % single seed delivery during maize planting. The following points have been highlighted to make it easy for an operator to attain high singulation percentage:

* Drum cavity; it is important to use the right drum with the right seed size. Seeds with large size require a relatively large drum cavity compared to small sized seeds. It is vital to have drum that best works with seed size available in your region.
* Force applied; use force that is only enough to compress the spring. Excessive force will result in multiple seed delivery.
* Avoid double strike; double strike tends to occur where one is doubtful of seed delivery into the planting hole and, therefore, a second strike which results in more than one seed in planting hole. It should only be performed when one is sure of no seed in the hole.
* Occasionally, shake the planter to remove any seed (s) that may be blocking the drum cavity
* Remove soil clods that maybe blocking the seed delivery pathway
* Spring; low tension springs are more appropriate for use in less compacted soil. High tension springs are more suitable for use in slightly compacted soils. This will allow complete rotation of the drum in each respective soil category.
* For proper operation of the planter—which is not only essential in achieving nearly 100% seed delivery, but also high singulation—please refer to “**Operating the GreenSeeder**” section in your **manual** (page 11) or visit <http://www.nue.okstate.edu/Hand_Planter.htm> for details