

An Index score was used in order to analyze the top advancements in agriculture over the past 50 years. In order to obtain these results, participants were asked to rank their top five choices out of an 18 item list. Each ranking was given an allocation of points to aggregate the Vision members' preferred items.

- Rank 1 = 5 points
- Rank 2 = 4 points
- Rank 3 = 3 points
- Rank 4 = 2 points
- Rank 5 = 1 point
- Not Ranked = 0 points

The total scores for each item were summed, and the item with the highest score received the first place ranking, etc. The following analysis was conducted with the use of the ranking point allocation. The advantage of this method is that it captures all of the scores for each item listed.

Top advancements in agriculture	Index
Direct seeding systems which allow seeding with minimal soil disturbance.	1446
Internet and email for information gathering and fast communication.	1215
The development of new crop protection products for controlling weeds, insects and disease in crops.	1096
The supply management system for Canadian dairy, poultry and egg producers	878
The development of GM crops (soybeans, canola, corn) allowing for better weed and insect control.	875
GPS, crop mapping and auto steer technology made possible by satellite signals.	817
Improved animal health through new vaccines and antibiotics.	675
Focus on food safety, including traceability	657
Advances in electronics such as everything from robotic milkers to variable rate seeders and climate controlled barns.	646
The trend to greater awareness and consumption of local food.	633
The development of the Canadian canola crop from its predecessor (rapeseed).	567
The development of pulse crop varieties for Canada – field peas, lentils, chickpeas and beans.	439
Agricultural trade liberalization	393

New systems for the better utilization of livestock manure – soil injection, composting, bio-gas production.	353
Advances in grazing systems that allow more livestock production from the same land base.	342
The adoption of organic farming systems to meet market demand.	335
Ethanol production which has opened a new market for corn in Central Canada and wheat in Western Canada.	324
New (exotic) beef cattle breeds	203

 = Top 6 advancements featured in the November/December edition of the [*AgriSuccess Journal*](#)