



2021 Kellogg Grower Survey

Responses are mandatory for questions marked with an asterisk (*).

General Information.

* What is your company code? Kellogg provided you this code. _____

1. *Name of person/farmer filling out the survey:

2. *Are you a: (Select all that apply)

- Farm Owner
- Farm Renter
- Farm Manager for an individual landowner
- Corporate farming company employee

3. *How many farmers are you answering on behalf of?

4. *Gender of farmer(s):

- Male
- Female

5. *For which crop are you completing this survey? Please select only one crop. Your answer will be the “reporting crop” for the rest of the survey.

- Corn/Maize
- Oats
- Potato
- Rice
- Raisin/Sultana
- Strawberry
- Sugar Beet
- Wheat

6. * Please provide your total farmable land and correct unit of measure for the current year of crop production.

	Value	Unit
Total Farmable Area		Hectares or Acres

7. * How many hectares/acres did you grow of the reporting crop for this production season? Please provide the correct unit of measure.

	Value	Unit
Cropland Area		Hectares or Acres

8. * Where did you grow the reporting crop? Please select your region, country, and state or province.

* Region :

- Asia
- Africa
- Australia
- Central America
- Eastern Europe/Russia
- North America
- South America
- Western Europe

* Country : _____

* State/Province: _____

Current Farming Practices

9. Which of the following farming systems do you use on your farm? Select all that apply.

- Organic
- Certified Organic
- Conventional
- Certified Transitional

10. * What was the previous crop planted in the same field(s) before the reporting crop?
Select all that apply.

- Barley
- Corn / Maize
- Oats
- Potato
- Rice
- Soybean
- Strawberry
- Sugar Beet
- Wheat
- Other Crop
- I do not rotate crops

11. * Do you practice any of the following methods in the field(s) where you grew the reporting crop this year? Select all methods that apply and indicate the number of years you have used each method.

Soil Conservation Methods	Years
No till	_____
Minimum till	_____
Stubble retention	_____
Permanent soil cover	_____
Cover crops	_____
Buffer strips	_____

12. * What biodiversity measures have you taken? Select all that apply.

- I have a biodiversity plan in place
- I plant crop mixtures and multiple crop varieties
- I include beneficial flowers, perennials, hedgerows or areas of uncultivated land on the land that I manage
- I provide nesting areas for pollinators and other wildlife
- I work with local conservation organizations to help improve or increase biodiversity
- I do not practice any of these measures
- Other _____

13. * Do you use Integrated Pest Management (IPM) principles? In other words, do you combine prevention, biological, cultural, physical, and chemical methods to control pests (weeds, insects, pathogens, or vertebrates) in a way that minimizes risk to people and the environment?

- Yes, and I've received formal training
- Yes, I've educated myself using books or the internet
- No, I could use more education or resources on Integrated Pest Management
- No, Integrated Pest Management does not apply to my operation

14. * What Integrated Pest Management (IPM) practices do you use? Select all that apply.

- I rotate Modes of Action (MOA) for resistance management
- I have a scouting program to identify pests and diseases in my crop
- I consider potential environmental impacts when selecting my pest control products
- I use a consultant to help me plan my pest management strategies
- I calibrate and maintain my spray equipment before it is used
- I consider timing, pesticide application equipment, neighbors and weather when planning my applications
- I use a crop rotation, cover crop, trap crop, or other controls to reduce pest populations over time
- I keep detailed pest management records
- Pesticides are applied only when necessary, based on knowledge of pests, weeds and diseases.
- I make genetics, harvest protocol and storage method decisions that help lower the risk of mycotoxin issues or other pest-related health issues
- I do not use any Integrated Pest Management practices.

15. * What type of pesticides do you use (“Pesticides” include insecticides, herbicides, fungicides, fumigants, etc.)? Select all that apply.

- I apply organic pesticides
- I apply synthetic pesticides
- I apply biological pesticides
- I do not apply pesticides

16. Please answer this question for wheat and oat production only. * Do you use glyphosate on the reporting crop for any of the following purposes? Select all options that apply.

- Help dry crops before harvest
- Control weeds late in the season
- Control weeds before crop emergence
- Control weeds before crop emergence, in conjunction with minimal tillage or other conservation agriculture practices
- Fallow application after crop harvest
- I do not use glyphosate on the reporting crop

17. What is the soil texture for the crop you are reporting on? Select all that apply.

- Sandy
- Silt
- Clay

18. *Do you conduct soil tests?

- Yes, I do them, and they inform my decisions
- Yes, I do them but I don't use them
- No, I do not conduct soil tests, but I do have the resources to do them
- No, I do not conduct soil tests because I do not have the resources to do them

19. What nutrient management practices do you use? Select all that apply.

- I have a nutrient management plan
- I use fertilizer rate & source recommendation from an agricultural research or university extension program, to optimize cost and crop yield
- I time fertilizer applications to match nutrient availability and crop needs
- I use reduced tillage, including conservation tillage or no-till
- I plant cover crops for nutrient management purposes
- High efficiency/sub-surface drip fertigation (in other words, injection of fertilizers, soil amendments, water amendments, and other water-soluble productions into an irrigation system)
- I work with an agronomist to evaluate and improve nutrient use efficiency
- I do not use any of the nutrient management practices above

20. What precision agriculture technologies do you use? Select all that apply.

- I use a yield monitor to identify field variability
- I use an auto steer guidance system on farm implements
- I make use of aerial or satellite images to identify areas needing treatment
- I use a soil map for management decisions
- I use variable rate planting
- I use variable rate fertilizer applications
- I use a Farm Management System (FMS) to manage my farm
- I do not use precision agriculture technologies

21. * Do you track your energy usage on the land you farm?

Yes

No

22. *What measures have you taken to maximize energy use efficiency? Select all that apply.

I have changed to higher efficiency tractors and/or trucks for hauling

I use renewable energy resources to meet my energy needs

I use seed treatments to reduce the need for post emergent applications of insecticides and fungicides

I have conducted an energy audit on my farm

I have not conducted an energy audit on my farm but will conduct one in the future

I did not take any measures to maximize energy use efficiency

23. * Did you irrigate the reporting crop? If your answer is "Yes," please also answer questions 24 through 26 to the best of your ability. If your answer is "No," please continue to question 27.

Yes

No

24. * Did you use flow meters to track your irrigation water applied for the reporting crop?

I used flow meters on my entire farm

I used flow meters on some of fields

I did not use flow meters

25. What is your irrigation method for the reporting crop?

- Center Pivot
- Lateral
- Sprinkler
- Drip
- Flood
- Channel
- None of these

26. What is your irrigation water use? Please provide the correct units of measure.

	Amount	Unit
Irrigation Water Use		liters/hectare OR acre-inches/acre

27. * How much fertilizer do you apply per hectare or acre for one rotation of the reporting crop? Select correct units of measure for fertilizer amount (kg or lbs) and area (hectares or acres) for your nitrogen (N), phosphorous (P), potassium (K) and manure applications.

	Fertilizer Applied	Amount Unit	Area Unit
N		kg lbs	Hectares Acres
P		kg lbs	Hectares Acres
K		kg lbs	Hectares Acres
Manure		kg lbs	Hectares Acres

28. * What nitrogen (N) sources did you use on the reporting crop? Select all that apply.

- Urea
- Ammonium
- Nitrate

29. What method do you use to apply fertilizers?

- Solution
- Broadcast
- Incorporate
- Fertigation

30. **Please answer this question for rice production only.** Do you laser level your field(s), or level using local techniques?

- Yes
- No

Profitability & Resource Needs

31. *What is your average yield in metric tons per hectare or acre for the last growing cycle of the reporting crop? Please select the correct units of measure.

Average Yield	Unit
	MT/hectare MT/acre lbs/hectare lbs/acre

32. *What was your expected yield for the reporting crop? Please select the correct units of measure.

Expected Yield	Unit
	MT/hectare MT/acre lbs/hectare lbs/acre

33. What is the agricultural performance of the crop variety(ies) you produced for the reporting crop? Select all that apply.

- Good performance across all metrics
- Could be better - Low yield
- Could be better - Water intense
- Could be better - Pest/Insect vulnerable
- Could be better - Disease vulnerable

34. *Whom do you ask for agronomic advice? Select all that apply.

- Certified crop advisor or agronomist
- Input Provider Representative
- Government or University extension officer
- Influential community or village leader
- Co-operatives
- Family or Friends
- No one

35. * What are the top three things that would help to improve your business? Select up to three options.

- Access to agronomic education
- Access to soil health management training or investment
- Access to new seed technologies
- Access to crop protection products
- Access to biologicals and biostimulants
- Access to markets or market pricing
- Access to digital agriculture tools (e.g., farm management system, scouting)
- Access to precision agriculture tools (e.g. variable rate planters)
- Access to financing for inputs, equipment, or services
- I have access to resources for all of my agronomic needs

36. If you experienced crop loss, which of the following were the cause? Select all that apply.

- Pre-harvest crop rot
- Disease pressure
- Weed pressure
- Insect pressure
- Lack of post-harvest storage
- Extreme weather (drought, heat/cold, hail, wind damage, flooding)
- Market problems (unable to sell, contract cancellation, lack of demand, trade issues)
- I did not experience crop loss

RISK ASSESSMENT & MANAGEMENT

37. *Have you ever been required to sign a Code of Conduct or guideline on ethical business practices?

- Yes, a Kellogg Supplier Code of Conduct has been shared with me.
- Yes, my customer (e.g., miller) has a Code of Conduct that I signed.
- No

38. Do you have a documented training system for ensuring food safety and quality of your products?

- Yes, we are trained in food safety by government agencies or processors to Hazard Analysis Critical Control Point (HACCP) management system requirements
- Yes, we have had some training in food safety and quality
- No, we have not had training but this has not impacted our access to sell our food
- No, we have not had training and it limits the places we can sell

39. Do you have a documented training system for you and your employees on agricultural practices?

- Yes, we receive Global G.A.P. training
- Yes, we receive training through a third party like government extension
- Yes, we receive training through a processor
- No, we have not had training

40. * Do you feel your farming operation is at risk for extreme weather events (for example, drought, extreme heat or cold, hail, wind damage, flooding)?

- Yes
- No
- I do not know

41. * Which methods are you using to address extreme weather events? Select all that apply.

- Drought prevention (Example: rainwater harvesting)
- Soil protection (Example: wind break rows, erosion barriers)
- Freeze or frost protection (Example: wind machines, sprinkling)
- Crop insurance
- Soil enhancement (Example: drainage, improved soil structure or organic matter)
- Alternate wet dry (rice only)
- I use other methods that are not included in this list
- None

Labor & Occupational Health & Safety

42. *Does everyone on your farm, including employees and subcontractors, use Personal Protective Equipment (PPE) when handling or applying chemicals?

- Yes, and everyone involved in chemical applications has been trained according to legal requirements
- Yes, but there is no formal training
- No, PPE is not used for chemical applications
- No, we do not use chemicals that require PPE

43. * How many workers were employed or subcontracted by your operation during your last harvest? Please do not include unpaid family members who work on the farm. **If you employ workers, please also answer questions 43a-43d.** If you do not employ workers, please select that answer option below and continue to question 44.

I do not employ workers

(1-10)

(11-25)

(26-50)

(51-100)

(over 100)

43a. What percent of your workers on farm are: (These numbers should sum to 100%.)

_____ Men %

_____ Women %

43b. What percent of your workers on farm are: (These numbers should sum to 100%.)

_____ Direct hire %

_____ Contracted hire %

43c. What percent of your workers on farm are: (These numbers should sum to 100%.)

_____ Local Permanent Residents %

_____ Non-local, but permanent residents of the same country where I farm %

_____ Non-local permanent residents - from out of country %

43d. How do you pay your workers?

Pay workers directly

Pay workers indirectly, through a worker representative

Pay workers indirectly, through a labor broker or employment agency

44. * Do you, and any workers you employ or subcontract on your farm, have regular access to health and safety training?

- Yes, through my processor or trader
- Yes, through government entities
- Yes, through opportunities with non-governmental organizations (NGOs)
- No

The remaining questions apply only to crops produced in the following countries: Bangladesh, Brazil, Chile, China, Colombia, Egypt, India, Mexico, Morocco, South Africa, Thailand, Tunisia, and Turkey.

45. Are you and your family able to meet all your basic needs (food, housing, clothes, education, and savings) from your income only from farming?

- Yes, all the time
- Yes, depending on the season
- No

Responses are mandatory for questions 46 through 50 if you indicated in question 43 that you employ or subcontract workers. If you do not employ or subcontract workers, please continue to question 51.

46. Do you keep any of your employees' identification or travel documents? (e.g. passports, visas, identification)

- Yes, we keep these documents in a central location at all times
- Yes, but employees can access them upon request within 24 hours
- Yes, but employees can access them anytime without needing permission
- No, we do not keep any documents for employees

47. Do your employees pay for any of the following expenses, either directly or through paycheck deductions?

- Medical screening as a condition of employment
- Job training
- Worker levy fees
- Personal protective equipment or other safety items
- No, employees do not pay for any of these work-related expenses.

48. Do you have a system for your employees to file complaints about issues?

- Yes, we have a formal system and keep records of complaints and resolutions
- Yes, we have an informal system and employees can come to a manager if they have a complaint
- No, we do not have a system for employees to make complaints

49. Do you provide your employees housing during their time of employment?

- Yes, I provide employees with housing, with no restrictions on leaving the housing at any time
- Yes, I provide employees with housing, with some restrictions on leaving the housing (night curfew, approval needed, only weekends, etc.)
- No

50. Do you and your employees have regular access to: (Select all that apply)

- Drinking water
- Bathroom facilities
- Health and medical services
- Safety training and equipment
- Formal education for school age children
- None of the above

51. The company code you provided at the beginning of this survey is _____. Please confirm that this code is correct. If it is incorrect, please return to the first page of this survey and update your response. It is very important that you enter the correct code. Your data will be invalid if the code is incorrect.

- Yes, the code is correct.