

1. Producing profitable wheat

Investment



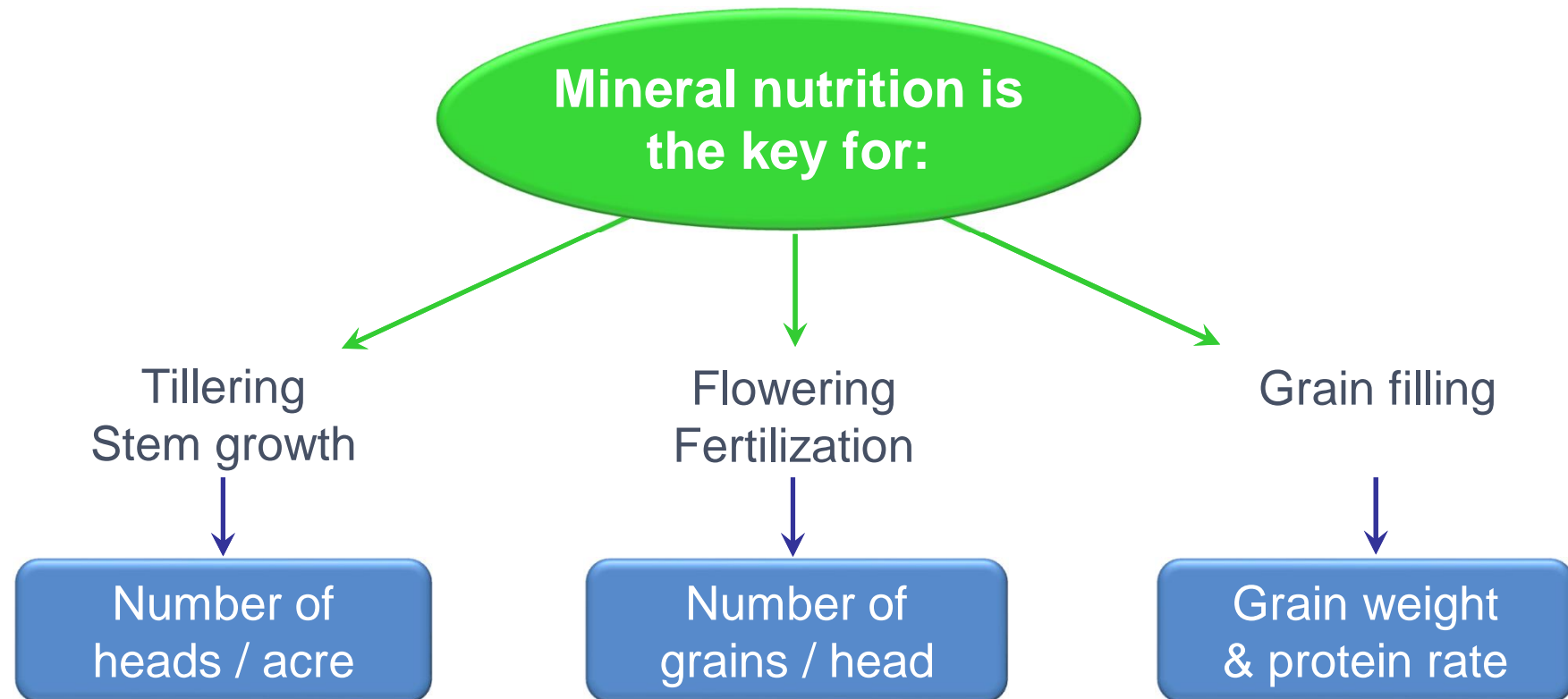
Income



Investing wisely can significantly increase yield and impact the grower's return.

2. Wheat physiology and profitability are linked

The key components of yield:



Nutrition physiology directly impacts profitability.

3. Physio Activator Technology - Effect on wheat

3.1. Product description

Product name:

HeadSet™



Composition:

- Active ingredient: **GA142**
- Mineral: 6% Nitrogen (Nitrate); 9% Magnesium

Recommendations:

- Rate: 1 Litre/hectare (can be tank mixed with fungicides, insecticides or foliar nutrients)
- Timing: 1 application from tillering to heading (BBCH 30 to 55)



Product function: Headset increases photosynthetic activity.

3. Physio Activator Technology - Effect on wheat

3.2. Technical summary

The benefits of Headset have been compiled from multi-year trials (114 plots over 7 years).

Data compiled from USA, French and Polish trials.

Trial work was conducted by Universities, independent researchers and distribution technical teams.



3. Physio Activator Technology - Effect on wheat

3.2. Technical summary: Vegetative effects

Results from a network of 55 N-Tester* assessments on Flag leaf:



(*Yara colorimetric technology)

More chlorophyll in Flag leaf.



Headset activates photosynthetic activity.

3. Physio Activator Technology - Effect on wheat

3.2. Technical summary: Vegetative effects

Whole plant mineral analyses 15 days after Headset application:

Nitrogen **Phosphorus** **Sulfur** **Manganese** **Magnesium**



Difference between Headset & Control
Average of 4 replicated trials





Headset increases mineral uptake.

3. Physio Activator Technology - Effect on wheat

3.2. Technical summary: Effect on yield

International summary from 114 data points from trials over 7 years:

Yield average (100 Kg = dT/hectare):

	Control	HeadSet	
			
USA (22 data):	51.1	53.4	+ 2.3 dT/ha
France (80 data):	85.5	88.6	+ 3.1 dT/ha
Poland (12 data):	73.5	76.4	+ 2.9 dT/ha
USA + France + Poland (114 data):	77.6	80.5	+ 2.9 dT/ha

Return on investment : 3 to 1



Headset increases yield by 3 dT/ha.

3. Physio Activator Technology - Effect on wheat

3.3. Key benefits



HeadSet™ Increases mineral uptake

HeadSet™ Increases photosynthetic activity

HeadSet™ Increases yield

3. Physio Activator Technology - Effect on wheat

3.4. Additional advantages



HeadSet.

A unique product **safe** for growers, environment and consumers



HeadSet.

Easy-to-use, can be applied and tank mixed with most commonly used insecticides, fungicides and foliar nutrients with a broad application window