



AGRI-ENVIRO BENEFITS *of Responsible* Water Management

Water management is a key factor in improving field efficiency
- resulting in agronomic, economic and environmental benefits.



#BESTWHENMANAGED

FIELD & ENVIRO EFFICIENCY

Saskatchewan is a diverse landscape, **hosting 43% of Canadian farmland**. SK agriculture plays a critical role in reliable food production, sustainable land use and community resiliency.

Water management is a critical **business risk management tool** to manage soil and crop health within the **AG zone of SK** (38 M+ acres of annual cropland).

Managing **temporary and seasonal water** through responsible surface and tile drainage will **improve field efficiency** and reduce the environmental footprint of excess water.

It's time... to change... . THE NARRATIVE .

Drainage should not be divisive. **Responsible drainage is an important business risk management tool for Saskatchewan producers, providing climate resiliency while supporting soil health and sustainable food production.**

A field that is left unmanaged is never the answer. Water management is a critical factor in improving field efficiency, environmental stewardship and flood control. Advanced water management includes surface and tile drainage, surface and sub-surface irrigation practices, water consolidation and an impressive portfolio of drainage BMPs that have evolved with landowners, industry and associations working together.

DRAINAGE WILL IMPROVE FIELD EFFICIENCY. WHAT DOES THAT MEAN?

By managing temporary and seasonal water with drainage in the AG zone, you will improve field efficiency. **The agronomic and environmental benefits include:**

- REDUCED SALINITY
- IMPROVED SOIL HEALTH
- REDUCED OVERLAP
- REDUCED CROP INPUTS
- REDUCED CROP LOSS
- REDUCED OVERLAND FILL & SPILL FLOOD SCENARIOS (NUTRIENT WASHOUTS)
- IMPROVED OVERALL PLANT HEALTH
- IMPROVED NUTRIENT USE EFFICIENCY
- IMPROVED WATER USE / RETENTION VIA CROP
- IMPROVED EQUIP & LABOUR EFFICIENCY
- REDUCED CARBON FOOTPRINT (FUEL)
- REDUCED DENITRIFICATION
- REDUCED COMPACTION
- RESTORED MARGINAL ACRES
- IMPROVED WEED CONTROL
- = INCREASE IN PRODUCTIVE ACRES**

THIS IS A 'PERMANENT', STABLE, FUNCTIONING WETLAND WITHIN THE AG ZONE.

AG ZONE

The AG zone is the farmable and potentially farmable acres within the field boundary.

- Soil zone, topography and climatic zones fluctuate across the province and dictate where productive agriculture zones are.

AG ECO ZONE

The AG Eco zones are the acres within the field boundary that are voluntarily retained as healthy, functioning upland or wetland habitat.

- It is not about draining every acre of water.
- Cropland also provides habitat and food for wildlife.

THIS IS 'TEMPORARY WATER' WITHIN THE AG ZONE. NOT GOOD FOR THE FARMER, NOT GOOD FOR THE ENVIRONMENT...



GET INVOLVED . BECOME A MEMBER TODAY .

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