orizon

Verra | VM0042 | Project 3368

Orizon's CarbonCrop Rewards Programme is a leading improved agricultural land management carbon credits project in South Africa. By funding and advising farmers on their transition to regenerative agriculture, Orizon is changing the face of agriculture in South Africa.

Orizon's CarbonCrop project has been validated and verified by SCS Global Services, a leading environmental auditing entity.

Verra has registered and verified the project, being the 3rd VM0042 project to receive credits.

>160,000

carbon credits for the vintages:
2018 to 2022

160,000 removal credits under VM0042 V2.0

+ 40,000 buffer credits

est. <200,000 credits for CarbonCrop2 under VM0042 v2.2

Orizon's Footprint

16,000

hectares of cropland from 22 participating farming operations included in the 2023 submission

70,000

hectares of cropland from 85 participating farming operations to be included in the 2025 submission

THE CARBONCROP REWARDS PROGRAMME SUPPORTS THE FOLLOWING **PRIMARY** SDGs

Orizon's Assurance

Orizon understands the risks associated with climate mitigation projects and is proud of the high standards maintained through all elements of the CarbonCrop Programme.

Additionality

Only practices with less than 20% regional adoption rates and with regulatory and financial surplus are allowed. Revenues from credits directly support the expansion of project activities, with up to 75% of revenues being paid to farmers.

Permanence

Farmers are vetted to limit any risks of reversals / losses. Orizon's contracts with the farmers result in a long-term commitment to these practices. Contributions to Verra's Buffer Pool further mitigate the risk of invalid credit retirements.

Leakage

VM0042 protects against leakage from displaced livestock, organic input additions shifted from other operations and a loss in productivity. Orizon monitors any other leakage risks carefully and strictly.

Stakeholders

Stakeholders consent to all project activities. Orizon's benefit-sharing agreement means that up to 75% of carbon revenues get paid to participating farmers, who are visited 2-4 times per year. Project plans for further community development exist.

Looking Forward

Orizon's CarbonCrop Rewards Programme has seen remarkable growth and interest from farmers since its inception. The focus has been on developing a scalable platform and approach with all project development and implementation activities performed in-house. This holds exciting prospects for the future of agriculture and soil carbon sequestration in South Africa and the broader African continent.

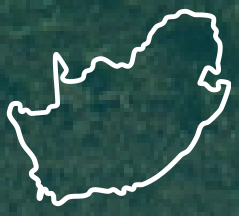
Scalability

With a scalable online platform, Orizon is able to onboard farmers rapidly and expects to have more than **500,000 hectares** on the programme by 2030.

The Team

Orizon's team of 17 has experience across **farming, finance, ecology, agronomy, soil science, and IT**. This enables a very hands-on approach that delivers carbon credits of the highest quality.

Developed by Africa for Africa



Orizon is a proudly South African company. Southern Africa is one of the most vulnerable regions to climate change, and average temperatures are expected to increase 2x as much as the global average. With South Africa being the 31st driest country in the world, there is a great need for climate finance intervention to help mitigate and adapt to climate change.

On the ground

Orizon's participating farmers are pioneers in their adoption of regenerative agriculture and innovative approaches to local challenges. The following main practices are adopted:

Eliminating **tillage** reduces the loss of soil carbon as CO2 and protects soil structure and microbes, which is critical in reducing erosion and as the foundation to the food chain.

Cover cropping increases photosynthesis which stores more carbon in soils, improves soil health and increases food production. Multi-species cover crops increase ecosystem diversity to stabilise food chains.

Improved **livestock** practices relocate livestock from environmentally harmful feedlots and return them to their natural habitat, improving animal welfare and reducing emissions.

Biological inputs, such as **compost** and **manure** additions, reduce the need for synthetic fertilizers while also adding a microbe-rich carbon source to soils, accelerating carbon sequestration and soil health.