

Glossary : agronomy-related terminology

English Term	Definition	French Translation	Arabic Translation
Agronomy	Study of soil and crop science	Agronomie	علم الزراعة
Biodiversity	Variety of life in an ecosystem	Biodiversité	التنوع البيولوجي
Carbon Sequestration	Capturing carbon in soil or plants	Séquestration du carbone	احتجاز الكربون
Climate Change	Long-term atmospheric shifts	Changement climatique	تغير المناخ
Composting	Decomposing organic matter for soil improvement	Compostage	التسميد العضوي
Crop Rotation	Alternating crops to enhance soil health	Rotation des cultures	تدوير المحاصيل
Crop Yield	Quantity of crop produced per unit area	Rendement des cultures	إنتاجية المحاصيل
Decomposition	Breakdown of organic matter	Décomposition	التحلل
Drainage	Soil's water removal capacity	Drainage	التصريف
Erosion	Degradation of soil by natural forces	Érosion	التعرية
Fallow	Land left unplanted to recover fertility	Jachère	الأرض البور
Fertilizers	Nutrients added to enhance soil fertility	Engrais	الأسمدة
Green Manure	Cover crop to enrich soil	Engrais vert	سماد أخضر
Greenhouse Effect	Trapping heat in the atmosphere	Effet de serre	تأثير الاحتباس الحراري
Harvesting	Collecting mature crops	Récolte	الحصاد
Herbicide	Substance killing unwanted plants	Herbicide	مبيدات الأعشاب
Humus	Organic component of soil	Humus	الدبال
Irrigation	Supplying water to crops	Irrigation	الري
Leaching	Loss of nutrients from soil by water	Lessivage	الترشيع
Monoculture	Growing a single crop extensively	Monoculture	زراعة أحادية
Mulching	Covering soil to retain moisture	Paillage	تغطية التربة
Mycorrhizae	Beneficial fungi associated with plant roots	Mycorhizes	الفطريات التكافلية

Nitrate	Essential plant nutrient	Nitrate	نترات
Nutrient Cycle	Movement of nutrients through soil and plants	Cycle des nutriments	دورة المغذيات
Organic Farming	Agriculture without synthetic inputs	Agriculture biologique	الزراعة العضوية
Pest Control	Methods to manage harmful organisms	Lutte contre les ravageurs	مكافحة الآفات
Pesticides	Chemicals controlling pests	Pesticides	مبيدات الآفات
Pests	Organisms damaging crops	Ravageurs	الآفات
Photosynthesis	Process plants use sunlight to make food	Photosynthèse	التركيب الضوئي
Pollination	Transfer of pollen for plant reproduction	Pollinisation	التلقيح
Precision Farming	Optimizing inputs based on field variability	Agriculture de précision	الزراعة الدقيقة
Pruning	Cutting branches to encourage growth	Élagage	التقليم
Rhizosphere	Zone around plant roots influenced by microbes	Rhizosphère	الجزرية المحيطة بالجذور
Root Zone	Soil area surrounding roots	Zone racinaire	منطقة الجذور
Salinity	Salt content in soil	Salinité	ملوحة التربة
Seed Germination	Process of seed growth	Germination des graines	إنبات البذور
Silage	Preserved feed for animals	Ensilage	العلف المخزن
Soil Amendment	Materials added to improve soil	Amendement du sol	تعديل التربة
Soil Fertility	Ability of soil to supply nutrients	Fertilité du sol	خصوبة التربة
Soil pH	Measure of soil acidity or alkalinity	pH du sol	درجة حموضة التربة
Soil Profile	Vertical section of soil layers	Profil du sol	مقطع التربة
Soil Structure	Arrangement of soil particles	Structure du sol	بنية التربة
Soil Texture	Particle size composition of soil	Texture du sol	قوام التربة
Sustainable Agriculture	Environmentally conscious farming	Agriculture durable	الزراعة المستدامة
Sustainable Yield	Production level that avoids resource depletion	Rendement durable	إنتاجية مستدامة

Tillage	Soil preparation for planting	Labour	الحراثة
Transpiration	Water loss from plant leaves	Transpiration	النتح
Weed Control	Methods to manage unwanted plants	Désherbage	مكافحة الحشائش
Yield	Amount of crop produced	Rendement	الغلة