

# Skills Matrix for Crop Technician Apprenticeship

Name: \_\_\_\_\_

KSB code	KSB statement	Complete date of competence achieved (optional units shaded)			
		Apprentice has been shown / taught	Apprentice can complete with some supervision	Apprentice can complete without supervision	Apprentice can complete competently
K1	Health and safety legislation and codes of practice in relation to the job role/workplace including contingency/emergency plans				
K2	Practical health and safety information to ensure everyone is safe in the workplace				
K3	Environmental issues/legislation, codes of practice and company policies				
K4	Importance of maintaining systems for record keeping and storage used within the organisation				
K5	Maintenance/efficient use of machinery and equipment				
K6	Preparation methods, timing of activities and aftercare requirements for the crops grown on-site				
K7	Crop identification and establishment process including principles and methods				
K8	Principles of plant growth and development and plant health				
K9	Input costs, cost of production, margins and impact on business profitability				
K10	Identification of key pests weeds and diseases and awareness of control mechanisms including potential impact on environment				
K11	Relationship between environmental conditions (including weather), plant protection methods and crop growth				
K12	Importance of maintaining good standards of hygiene and environmental control relating to crop/food storage (where relevant)				
K13	Quality standards and specifications relevant to their business and their importance				
KSB1	Impact of machinery on soil structure and potential damage.				
KCB1	Difference growing mediums and their impact/relevance to production on site				

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S1	Promote and maintain health, safety and security				
S2	Manage accurate records within the workplace				
S3	Maintain and operate machinery and other equipment to allow safe and efficient operation				
S4	Prepare seed bed/growing medium for maximum growth potential				
S5	Carry out relevant establishment of crops for efficient growth				
S6	Competently operate (to certified level) a relevant vehicle used in the business				
S7	Control of pests, weeds and diseases including safe use, application and storage of chemicals				
S8	Carry out plant nutrient application and/or irrigation tasks if applicable to aid growth of crop				
S9	Carry out harvesting operations including assessment of timing and quality				
S10	Appropriate harvesting techniques to match crop condition and quality requirements				
S11	Operate to high levels of hygiene				
S12	Store crops in suitable conditions to maintain quality				
S13	Soil/substrate maintenance tasks to ensure efficient and healthy growth of the crop/plant				
S14	Soil/substrate sampling and acting upon results as appropriate to ensure nutrition is correct				
SSB1	Correctly set machinery and monitoring machine performance for good seed establishment and crop growth				
SSB2	Correctly set machinery to match crop and soil condition and quality requirements during harvest				
SSB3	Maintenance of non-productive areas				
SCB1	Optimise growth conditions for specific crops, based on the individual needs of the plant relative to environment				
SCB2	Maintenance of productive and non-productive areas				
SCB3	Plant removal				

		Complete date of competence achieved (optional units shaded)			
KSB code	KSB statement	Apprentice has been shown / taught	Apprentice can complete with some supervision	Apprentice can complete without supervision	Apprentice can complete competently
B1	Strong work ethic including pride in work, attention to detail, integrity, honesty, time management, loyalty and respect for others				
B2	Positive attitude, motivated, dependable, ethical, responsible, flexible & reliable.				
B3	A willingness to learn and contribute to their own continuing professional development				
B4	Ability to take responsibility and be accountable for their own actions				
B5	Able to adapt to change in environmental conditions, technologies, situations and working environments				
B6	Willingness to accept changing priorities and work patterns when new jobs need to be done, or requirements change				
B7	Being a clear and effective communicator				
B8	Able to give/receive information and instruction accurately and in a timely and positive manner				
B9	Work and contribute effectively in a team and wider business				
B10	Willing to use own initiative and lead by example				
B11	Work proactively with internal and external people to achieve positive outcomes				
B12	Embrace a safety culture and apply proactively for self, colleagues and visitors				