Combining peas agronomy timeline

STAGES	TIMELINE	GROWTH (GS)	TOPIC	CONSIDERATIONS	ACTIVITY	INFO SOURCES	LINKS
Planning ahead of the next cropping year	Spring & Early Summer		Location / field selection	Timing of sowing and harvest practicalities	Field selection	PGRO Guide, Met Office	www.pgro.org/growing-combining-peas
			Soil Type	Texture, pH, stone content, compaction		PGRO Guide, Landis Soilscapes	www.landis.org.uk
			Weather	Rainfall, sunlight hours		Met Office	www.metoffice.gov.uk
			Crop Rotation	Widen rotation - 1/6 or wider	Pest and disease management	PGRO Guide	
	Summer		Field Preparation	Remove compaction and consider your pre-drilling cultivations	Crop establishment	Agronomist	
	Autumn / Early Winter		Soil Test	Foot rot pathogen check	Disease management	PGRO Services	www.pgro.org/soil-testing
				Nutrient status especially P, K, Mn, pH	Crop nutrition	Soil and leaf test services	
			Pea type and variety	Field requirement, profitability/ end market	Variety selection	PGRO Variety List, Seed Producers	www.pgro.org/choice-of-varieties-and-pgro-recommended
Sowing and cultivations	Autumn / Winter		Seed rate	Target plant stand	Crop establishment	PGRO Guide	https://www.pgro.org/choice-and-use-of-seed/
			Seed dressing	Cost of seed vs return, biostimulants vs untreated			
	Autumn / Winter, Spring		Stubble culivations	Impacts of your chosen system		Agronomist	
	Spring of cropping year		Macro/micro nutrients	RB209 - timing of application	Nutrition	Soil test result, PGRO Guide, Agronomist	www.pgro.org/crop-husbandry
			Spring cultivations	Minimum to create a good seedbed	Crop establishment	Agronomist	
			Sowing	Sow early at >6cm into a moist soil and avoid compaction			
			Rolling	Pre-em, post-em or not at all			
	Spring		Plant count	Optimum for farm, season		PGRO Guide, Seed Producers	www.pgro.org/choice-and-use-of-seed
			Herbicide	Pre-emergence	Weed control	PGRO Guide, Agronomist	www.pgro.org/weed-control
		34-39	Herbicide	Post- emergence, if required			
Agronomy	Spring / Summer	34-50	Macro/Micro nutrients	Leaf tissue sampling - identify trace element deficiencies	Nutrition	Leaf tissue and testing services	
		34-69	Micro nutrients	Manganese is essential on high pH soils			www.pgro.org/downloads/TU01-ManganeseDeficiencyMarshSpot3.pdf
		34-79	Insecticides	See A, B & C - insect pests, vector and viruses below	Vectors and viruses management	PGRO Guide, Agronomist	
		34-50	Graminicides	Control of blackgrass, annual and perennial grasses, volunteer cereals	Weed control		www.pgro.org/weed-control
	Summer	65-69	Fungicides	See D - Diseases	Disease management		
		88-89	Desiccation	Yes or no, remove green plant tissue/weeds	Weed control		
Harvest and storage		99	Harvesting	Prioritise first opportunity 18% moisture	Harvest and store management		
Markets	Summer onwards		Drying and storage	Storage duration. 15% moisture is ideal		PGRO Guide, Grower, Processor, and Cleaner	www.pgro.org/harvesting-drying-and-storage/
			Grain specifications	Different markets have different requirements	Consider your customers' needs		

PEST / DISEASE CATEGORY	TOPIC		CONSIDERATIONS	INFO SOURCES	LINKS
A Insect pests	GS31 - 34	1st - 4th node	Field thrip - severe infestation may check crop development	PGRO Services, PGRO Guide, Agronomist	www.pgro.org/pests-and-diseases
	GS31 - 36	1st - 6th node	Pea and bean weevil - larvae graze on root nodules		
			Pea moth - use pheromone trap to monitor pest	PGRO Pea Moth Service, Grower, Agronomist	www.pgro.org/pea-moth
B Vector	GS34 - 79- 4th node - end of flowering		Especially early winged migrating aphids	AHDB Aphid News, PGRO Guide, Grower, Agronomist	www.pgro.org/pests-and-diseases
C Viruses			Pea Enation Mosaic Virus (PEMV), Purple Streak Virus (PSV), Turnip Yellow Virus (TYV), Pea Seed Borne Virus (PSBV), Pea Early Browning Virus (PEBV), soil nematodes	PGRO Guide, Agronomist	www.pgro.org/pests-and-diseases
D Disease management			Ascochyta - seed test	PGRO Services, PGRO Guide, Agronomist	www.pgro.org/seed-testing
			Damping off organisms - no seed treatments exist	PGRO Guide, Agronomist	www.pgro.org/choice-of-varieties-and-pgro-recommended
			Downy mildew - no seed treatment exists		
			Foot rots and aphanomyces - soil test	PGRO Services, PGRO Guide, Agronomist	www.pgro.org/seed-testing
	GS65 - 69 1st pod - end of flowering		Botrytis - fungicide control at GS 65, 1 inch pod	PGRO Guide, Grower, Agronomist	www.pgro.org/pests-and-diseases
	GS65 - 69 1st pod - end of flowering		Sclerotenia		
	GS65 - 69 1st pod - end of flowering		Leaf and pod spot		
	GS65 - 79 1st pod - start of senescence		Powdery mildew - resistant gene		