

Pyramid bag - Risk analysis and actions

Operation	Risk Description	Likelihood	Impact	Risk Score	Actions	Related Task from Project Plan	Who
1. Purchasing	1.1 None						
2. Conversion	2.1 Complex print layout leads to incorrectly laid out artwork	Medium	High	6	Discuss with machine and film supplier, ideally support with line trials	Feasibility Testing - Production Technical Drawings for artwork	Pack Dev / Supplier
	2.2 Unfamiliar material causes conversion problems and delays delivery	Low	High	3	Discuss with film supplier and support with trials	Agree pack specification for Capability Phase Supplier Substrate Manufacture	Pack Dev / Supplier
3. Reel OD	3.1 Increased gauge will increase changeover frequency	Low	Low	1	Discuss with film supplier and support with trials	Agree pack specification for Capability Phase Supplier Substrate Manufacture	Pack Dev / Supplier
4. Form Fill Seal	4.1 Inability to produce a pyramid bag of appropriate quality	Medium	High	6	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	4.2 Pyramid bag greatly reduces running speed	High	High	9	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	4.3 Pyramid bag greatly increases changeover times	High	Medium	6	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	4.4 Pyramid bag machine leads to increased maintenance requirements	Medium	Medium	4	Factory assessment	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	4.5 Ability to change between pyramid and conventional bags for veg mixtures	High	High	9	Machinery supplier will confirm	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	4.6 Machine constraints lead to unsatisfactory bag dimensions	High	High	9	Supplier and factory trials	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	4.7 Machine constraints lead to unsatisfactory bag materials	High	High	9	Supplier and factory trials	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
5. Check Weigh	5.1 None						
6. Hand collate	6.1 Will the pyramid bags need to be collated differently for flowrapping, more complex = slower	Low	Medium	2	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	6.2 Will the material or dimensions effect the ease of handling	Low	Low	1	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
7. Flowrap	7.1 4 x pyramid bags will not work in a flowrap	Low	High	3	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	7.2 Flowrap speed will be slower with the pyramid bag collation.	Low	Low	1	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	7.3 Outer bag dimensions will need to change to accomodate the pyramid bag	High	High	9	Trials at the machinery supplier and factory.	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
8. Metal Detect	8.1 None						
9. Case pack	9.1 A different outer bag may be more difficult (slower) to load into the case	Medium	High	6	Factory trials	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
	9.2 If a case with different dimensions is required the case price may increase	Medium	Medium	4	Factory trials	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
10. Palletise	10.1 If a case with different dimensions is required the cases per pallet may reduce	Low	High	3	Factory trials	Feasibility Testing - Production	Pack Dev / Engineering / Production / Supplier
11. Distribute	11.1 A different (thinner and weaker) pyramid bag material may increase distribution and storage damage	Low	High	3	Factory trials to produce packs followed by distribution and storage trials	Feasibility Testing - Distribution	Pack Dev
	11.2 The pyramid shape may be inherently more prone to damage	Low	High	3	Factory trials to produce packs followed by distribution and storage trials	Feasibility Testing - Distribution	Pack Dev
	11.3 A lacquer type valve may reduce seal strength at -20C.	Medium	Medium	4	Factory trials to produce packs followed by distribution and storage trials	Feasibility Testing - Bench Feasibility Testing - Distribution	Pack Dev / Supplier
12. Sell (Customer)	12.1 Different outer bag dimensions may effect shelf utilisation / impact - could be resisted by the trade	Medium	High	6	Factory and supplier trials to confirm dimensions	Agree concepts for Feasibility Study Feasibility Testing - Bench Feasibility Testing - Production	Pack Dev / Marketing
13. Use (Consumer)	14.1 The difficulties handling, opening and dispensing the pyramid outweigh the novelty of the shape.	High	High	9	Generate concepts, hand made samples, specs and confirm with line trials	Agree concepts for Feasibility Study Feasibility Testing - Bench Feasibility Testing - Production	All