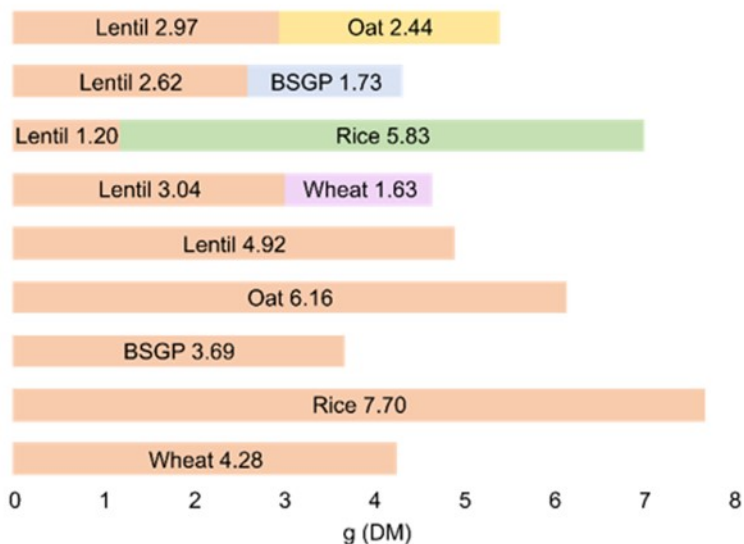


Supplementary Material

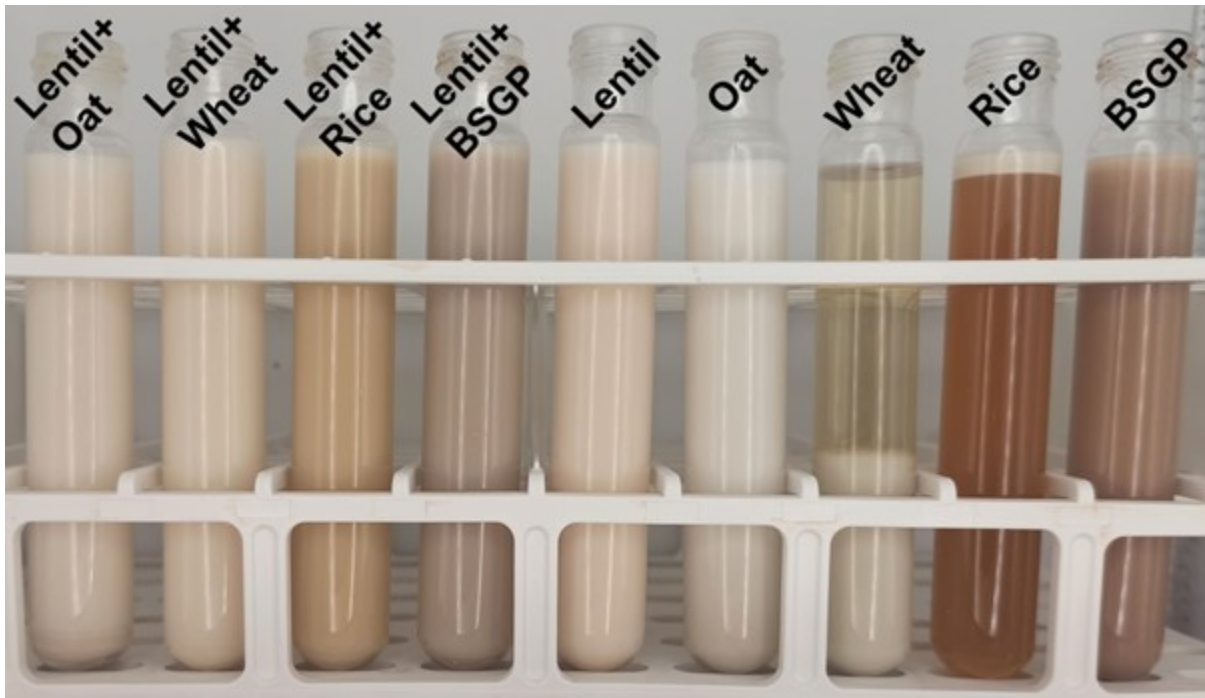
Supplementary Table 1 Results of the sugar and FODMAP analysis of the PIs by HPAEC-PAD, in g/100 g DM.

		Lentil	Oat	BSGP	Rice	Wheat	
Glucose		0.11 ± 0.01	0.03 ± 0.01	0.29 ± 0.01	2.33 ± 0.02	0.28 ± 0.04	
Fructose		0.05 ± 0.01	n.d.*	0.07 ± 0.00	0.34 ± 0.00	0.13 ± 0.00	
Sucrose		1.01 ± 0.02	0.77 ± 0.00	0.01 ± 0.00	0.2 ± 0.01	0.06 ± 0.00	
EF**		-	-	-	-	-	
FODMAPs	Polyols	Xylitol	0.02 ± 0.00	n.d.	n.d.	0.01 ± 0.00	n.d.
		Sorbitol	0.01 ± 0.00	n.d.	n.d.	0.09 ± 0.00	0.21 ± 0.00
		Mannitol	0.62 ± 0.01	n.d.	n.d.	0.01 ± 0.00	0.03 ± 0.00
		∑ Polyols	0.65 ± 0.01	n.d.	n.d.	0.11 ± 0.01	0.24 ± 0.00
	Oligo-saccharides (OS)	Raffinose/Stachyose	2.01 ± 0.03	0.17 ± 0.00	n.d.	0.02 ± 0.00	0.01 ± 0.00
		Verbascose	0.43 ± 0.01	0.01 ± 0.00	n.d.	n.d.	n.d.
		Fructans	-†	n.d.	0.14 ± 0.05	n.d.	0.67 ± 0.03
		∑ OS	2.44 ± 0.03	0.18 ± 0.00	0.14 ± 0.05	0.02 ± 0.00	0.68 ± 0.03
	∑ FODMAPs		3.09 ± 0.03	0.18 ± 0.00	0.14 ± 0.05	0.13 ± 0.00	0.92 ± 0.00

*n.d., not detected or levels below 0.0005 g / 100 g DM. **Fructose in excess of glucose. †Fructans not determined as they are not present in legumes.



Supplementary Figure 1 Amount of PI (g DM) per 100 g emulsion in single-ingredient and blended emulsions.



Supplementary Figure 2 Photographs of PBMA based on combined and single ingredients after 24h of storage.

