Custom pigeon feed mixes:

Breeding Mix

Grain/Seeds	Protein	Fat	Carbs.	Fiber	Quantity	Protein	Fat	Carbs.	Fiber
Canola	22.5	40	20	6.6	10%	2.25	4.00	2.00	0.66
Safflower	16.3	38	34	0	5%	0.82	1.90	1.70	0.00
Maple Peas	24	1.5	55	6	20%	4.80	0.30	11.00	1.20
Green Peas	24	1.5	55	6	5%	1.20	0.08	2.75	0.30
Trapper Peas	24	1.5	55	6	10%	2.40	0.15	5.50	0.60
White Millet	15	4	57	8	15%	2.25	0.60	8.55	1.20
Wheat	13	1.9	70	2.6	20%	2.60	0.38	14.00	0.52
Milo	11.3	2.9	71.3	2.2	15%	1.70	0.44	10.70	0.33
				TOTAL	100%	18.0	7.8	56.2	4.8

Moult Mix

Grain / Seeds	Protein	Fat	Carbs.	Fiber		Protein	Fat	Carbs.	Fiber
Canola	22	40	20	6.6	5%	1.10	2.00	1.00	0.33
Sunflower seeds	22	51	20	9	5%	1.10	2.55	1.00	0.45
Safflower	16.3	38	34	0	5%	0.82	1.90	1.70	0.00
Flax	23	34	23	5.5	5%	1.15	1.70	1.15	0.28
Peas	24	1.5	55	6	35%	8.40	0.53	19.25	2.10
White Millet	15	4	57	8	15%	2.25	0.60	8.55	1.20
Canary seed	14	5.5	52	5	5%	0.70	0.28	2.60	0.25
Wheat	13	1.9	70	2.6	15%	1.95	0.29	10.50	0.39
Milo	11.3	2.9	71.3	2.2	10%	1.13	0.29	7.13	0.22
				TOTAL	100%	18.6	10.1	52.9	5.2

Winter Mix

Grain/Seeds	Protein	Fat	Carbs.	Fiber	Quantity	Protein	Fat	Carbs.	Fiber
Sunflower seeds	22	51	20	9	5%	1.10	2.55	1.00	0.45
Flax seed	23	34	23	5.5	5%	1.15	1.70	1.15	0.28
Maple Peas	24	1.5	55	6	5%	1.20	0.08	2.75	0.30
Trapper Peas	24	1.5	55	6	10%	2.40	0.15	5.50	0.60
White Millet	15	4	57	8	10%	1.50	0.40	5.70	0.80
Barley	10.5	1.9	65	6.3	30%	3.15	0.57	19.50	1.89
Corn	7.9	3.5	67	2.9	15%	0.79	0.35	6.70	0.29
Wheat	13	1.9	70	2.6	15%	1.95	0.29	10.50	0.39
Red Milo	11.3	2.9	71.3	2.2	5%	0.57	0.15	3.57	0.11
				TOTAL	100%	13.8	6.2	56.4	5.1

I came up with these formulas about nine years ago and I have been using since then with no issues. I also considered the cost of the feed while keeping the nutrition value to a certain level, that is the reason for using red milo over the white milo, because of the price of the white milo is very expensive. Same reason for using white millet over the red millet. The trapper peas (yellow) are the least expensive in all peas but birds like more of the maple peas, therefore I use more of the yellow peas in moult mix and winter mix because we give them just enough food so they eat everything, but we have to offer them food more than they need while they are raising youngsters and they have a tendency of wasting their non-favorite grains, therefore I use less of the yellow peas and more of the maple peas in breeding mix. If the price is not a concern for you, you could use white milo, red millet and other kind of peas even though they won't make much of a difference in the nutrition value of the mix.

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