

Mustards. Below is a table summarizing the taxonomy of the cultivated mustards, including three diploid species and three tetraploid species, indicating probable region of origin (following Hemingway 1995). Traditional species, or subspecies, which are often recognized as distinct cultivars in Asia are listed as conspecific taxa in the third column, with corresponding common names in the fourth column. Synonymy follows Hanelt and IPK (2001) and USDA, ARS (2004). Rev DQF 29.xi.06

Diploid species	Wild range	Selected conspecific taxa	Common name(s)
<i>Sinapis alba</i> L. X=12, 2n=24 Syn. <i>B. hirta</i> Moench, <i>B. alba</i> Hook f.	Wild around Mediterranean		White mustard, yellow mustard
<i>Brassica nigra</i> (L.) Koch., = <i>Sinapsis nigra</i> L. BB, X=8 2n=16	Wild Southwest Asia, also Mediterranean?, widespread as weed through Central Asia, western China, Northwest India		Black mustard Benarasi rai (Hin.) 黑芥 hei jie (Ch.) Kuro-garshi (Jap.)
<i>Brassica oleracea</i> L. CC, X=9 2n=18	Wild European Atlantic seaboard		Mustard greens; 野甘蓝 ye gan lan (Ch.)
		<i>Brassica oleracea</i> var. <i>acephala</i> de Candolle	Kale, borecole; 羽衣甘蓝 yu yi gan lan (Ch.)
		<i>Brassica oleracea</i> var. <i>capitata</i> L.	Cabbage; 甘蓝 gan lan
		<i>Brassica oleracea</i> var. <i>gemmifera</i> (de Candolle) Zenker	Brussels sprouts; 抱子甘蓝 bao zi gan lan
		<i>Brassica oleracea</i> var. <i>italica</i> Plenck	Sprouting broccoli; 绿花菜 lu hua cai
		<i>Brassica oleracea</i> var. <i>gongylodes</i> L., syn. <i>B. oleracea</i> var. <i>caulorapa</i> de Candolle	Kohlrabi; 擘蓝 pie lan
		<i>Brassica oleracea</i> var. <i>botrytis</i> L.	Broccoli, cauliflower; 花椰菜 hua ye cai (Ch.)
		<i>Brassica oleracea</i> var. <i>albiflora</i> Kuntze, syn. <i>B. alboglabra</i> L. H. Bailey: southern China, southeast Asia	Chinese broccoli, Chinese kale, 白花 甘蓝 bai hua gan lan (Ch.), "kalian" (Malaysia)
<i>Brassica rapa</i> L., syn. <i>B. campestris</i> L. AA, X=10 2n=20	wild subsp. <i>eu-</i> <i>campestris</i> in Mediterranean, SW Asia, widespread as weed.	<i>B. rapa</i> subsp. <i>rapa</i> <i>B. rapa</i> subsp. <i>dichotoma</i> Hanelt <i>B. trilocularis</i> (Roxb.) Hook f. & Thomas	turnip Brown sarson, Indian rape, toria; Yellow sarson, Indian colza;
		<i>Brassica rapa</i> var. <i>chinensis</i> (L.) Kitamura, syn. <i>B. chinensis</i> L, syn., <i>B.</i> <i>campestris</i> L. subsp. <i>chinensis</i> (L.) Makino, includes <i>B. narinosa</i> L. H. Bailey	Chinese cabbage, "bok choy", 白菜 bai cai (Ch.), generically 青菜 qing cai (Ch.) <i>swai puteh</i> (Malaysia)
		<i>Brassica rapa</i> var. <i>glabra</i> Regel, syn <i>B. pekinensis</i> (Lour) Rupr., syb. <i>B.</i> <i>chinensis</i> (L.) var. <i>pandurata</i> V. G. Sun	Heading Chinese cabbage, celery cabbage, Peking cabbage 大白菜 da bai cai (Ch.), 黄芽白 huang ya bai (Ch.)
		<i>B. rapa</i> c. <i>oleifera</i> DC	Biennial/ winter turnip rape, canola; 芸苔 yun tai
		<i>B. nipposinica</i> L. H. Bailey	spinach mustard, mizuna (Jap.), bo len jie (Ch.);

Tetraploid species

B. carinata A. Braun
BBCC
 $2n = 2(8+9) = 34$
B. juncea (L.) Czern.
AABB
 $2n = 2(8+10) = 36$

Highland Ethiopia,
probably from wild
tetraploids

Wild tetraploids in
temperate Central
Asia, Himalayas, and
East Asia(?)

var. *juncea*

var. *cuneifolia* (Roxb.) Kitam.
var. *foliosa* L. H. Bailey
var. *japonica* (Thunb.) L. H. Bailey
var. *longidens* L. H. Bailey
var. *napiformis* (Pailleux & Bois)
Kitam.

B. integrifolia (H. West) Rupr.
now including
B. rugosa (Roxb.) L. H. Bailey
(incl. var. *multiceps* N. Tsen & S. N.
Lee)

var. *strumata* N. Tsen & S. N. Lee
var. *tumida* N. Tsen & S. N. Lee

B. napobrassica (L.) Mill.
B. napus var. *napus*
B. napus var. *pabularia* DC

Origin in cultivation,
as hybrid

B. napus L.
AACC
 $2n = 2(9+10) = 38$

Ethiopian mustard

Brown mustard, Indian mustard, rai
(Hin), sawi-sawi (Malaysia), karashi
(Jap.); *Jie cai* 芥菜 (Ch.)

root mustard

Leaf mustard, Ch. *da wang jie* 大王芥
heading leaf mustard or Swatow
mustard, Bao xin jie cai 包心芥菜

horned mustard
Sichuan swollen stem mustard, **zha
cai** (Ch.)
Swede, rutabaga;
Oilseed rape, colza, canola;
Rape kale, hanover-salad