

## 코덱스의 식품 분류: 채소류

이미경\*

국립안동대학교 식품생명공학과

### Classification of Vegetable Commodities by the Codex Alimentarius Commission

Mi-Gyung Lee\*

*Dept. of Food Science & Biotechnology, Andong National University, Andong-si Korea*  
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**ABSTRACT** - Revision work on the Codex Classification of Foods and Animal Feeds was undertaken in 2007 and presently, revisions for most food groups have been completed. For vegetables, the work was conducted during 2014-2017, and the final draft revision was adopted by the 40<sup>th</sup> Codex Alimentarius Commission (2017). Here, the revised classification of vegetable commodities is introduced in order to be utilized in various food-related fields, in particular, food safety regulation. The revised classification is briefly summarized as follows: Codex classified vegetables into 10 groups (Group 009-018): bulb vegetables (Group 009), Brassica vegetables (except Brassica leafy vegetables) (Group 010), fruiting vegetables, Cucurbits (Group 011), fruiting vegetables, other than Cucurbits (Group 012), leafy vegetables (including Brassica leafy vegetables) (Group 013), legume vegetables (Group 014), pulses (Group 015), root and tuber vegetables (Group 016), stalk and stem vegetables (Group 017) and edible fungi (Group 018). The groups are further divided into a total of 33 subgroups. In the Classification, 430 different commodity codes are assigned to vegetable commodities. Meanwhile, Korea's Ministry of Food and Drug Safety (MFDS) does not include potatoes, beans and mushrooms within a vegetable group. In addition, the MFDS divides one vegetable group into six subgroups including flowerhead Brassicas, leafy vegetables, stalk and stem vegetables, root and tuber vegetables, fruiting vegetables, Cucurbits, and fruiting vegetables other than Cucurbits. Therefore, care is needed in using the Codex Classification.

**Key words:** Codex Alimentarius Commission, Food classification, Vegetables

식품분류(food classification)는 식품 위생과 안전 규제 측면에서 볼 때 기준·규격을 적용하는 대상이 되는 식품을 명시화하는 데 있어 필수적인 기초자료이다. 다시 말해 식품에 대한 기준·규격을 설정하여 운용하려면 식품분류에 대한 규정이 전제되어 있어야 한다. 이 때문에 나라마다 식품분류에 대해 법규화 하고 있고 우리나라도 식품분류를 식품공전(Food Code)에 “식품원료 분류”로서 규정하고 있다.

식품위생과 관련된 국제기준을 설정하는 국제식품규격위원회(Codex Alimentarius Commission, CAC)도 식품분류를 제안하여 각 국가에서 사용하도록 권고한다. 1993년

에 CAC(코덱스) 분류가 발간된 이후로 코덱스는 2007년부터 식품분류 개정작업을 재착수해서 수행해 왔다<sup>1)</sup>. 그러한 개정된 코덱스 식품분류 내용에 맞춰 우리나라 규제기관도 식품원료 분류를 개정해왔다<sup>2-3)</sup>. 이처럼 코덱스 식품분류가 식품 규제에 미치는 영향이 매우 중대하지만 코덱스 식품분류에 관해 발표된 정보는 매우 제한된다<sup>4)</sup>. 현재 코덱스는 대부분의 식품군에 대해 개정을 완료한 상태인데 채소류의 경우 2014년에 시작했던 개정작업이 2017년에 완료된 상태이다(40<sup>th</sup> CAC에 의해 채택됨)<sup>5)</sup>. 본고에서는 식품 군 중 채소류에 국한하여 코덱스의 개정된 분류 내용을 소개하고자 한다. 이러한 정보는 식품규제 분야를 포함한 다양한 식품 분야에서 크게 활용될 수 있을 것으로 기대된다. 여기에서 소개한 코덱스 분류내용은 채소류에 대한 세부 분류 즉 그룹과 subgroup, 그리고 포함되는 식품들이다. 코덱스 분류에 대한 이해를 돕고자 국내 주요 식품에 대해 해당하는 코덱스 코드(commodity

\*Correspondence to: Mi-Gyung Lee, Andong National University, # 1375 Gyeongdong-ro, Andong-si, Gyeongsangbuk-do 36729, Korea  
Tel: 82-54-820-6011, Fax: 82-54-820-6264  
E-mail: leemig@anu.ac.kr

code)를 제시했으며 코덱스와 국내 분류에서 차이를 보이는 식품에 대한 정보를 제공하였다.

## Materials and Methods

코덱스 식품분류 내용은 49<sup>th</sup> CCPR (Codex Committee on Pesticide Residues, 2017) 보고서<sup>6)</sup>에서 가져왔으며 국내 식품분류와 식품명은 식품의약품안전처 고시 제2018-18호<sup>7)</sup>와 제2018-74호<sup>8)</sup>에 근거하였다. 국내에서 통용되는 영어 명칭에 대해서는 주로 식품공전 영문판<sup>9)</sup>과 식품의 농약 잔류허용기준 책자<sup>10)</sup>를 참고했다.

여기에서 제공되는 정보는 코덱스의 채소류 세부 분류 내용과 동일하게 기술되었으며 세부 각 그룹에 포함되는 식품들은 코드가 부여되어 있는 것만으로 한정하였다(코덱스 분류에는 코드가 부여되어 있지 않는 식품명들이 적용이 가능한 코드 정보와 함께 제시되어 있음). 한편 코덱스 식품분류에 대한 이해도를 높이기 위해 국내 식품의약품안전처 식품분류<sup>7-8)</sup>에 포함되어 있는 대부분의 주요 식품에 대해 해당하는 코덱스 코드, 그리고 코덱스와 국내 분류 사이에 차이를 나타내는 식품군과 식품종을 파악하여 제시하였다.

## Results and Discussion

### 국내와 코덱스의 채소류 분류

코덱스는 채소류를 다음과 같은 10개의 그룹, bulb vegetables, Brassica vegetables (except Brassica leafy vegetables), fruiting vegetables (Cucurbits), fruiting vegetables other than Cucurbits, leafy vegetables (including Brassica leafy vegetables), legume vegetables, pulses, root and tuber vegetables, stalk and stem vegetables, edible fungi<sup>11)</sup>으로 분류하고 각 그룹에 subgroup을 둔다. 이와 달리 국내 식품의약품안전처는 채소류를 결구 엽채류, 엽채류, 엽경채류, 근채류, 박과 과채류, 박과 이외 과채류로 분류하고 서류, 두류, 버섯류는 채소류에 포함시키지 않는다<sup>7-8)</sup>.

### Bulb vegetables

Bulb vegetables는 Group 009로서 group letter code인 VA로서 표시된다(Table 1). Group 009는 2개의 subgroup 즉 bulb onions (009A)와 green onions (009B)로 나뉜다. Subgroup 009A에는 commodity code를 부여받은 10개의 식품종이 그리고 009B에는 17개의 식품종이 포함된다. 양파(onion)는 commodity code VA0385, 마늘(garlic)은 VA0381, 파(Welsh onion)는 VA0387, 부추(Chinese chives)는 VA2606에 해당한다. 국내의 경우 마늘은 근채류로 파와 부추는 엽경채류로 분류한다.

### Fruiting vegetables

코덱스는 과채류를 2그룹, 즉 fruiting vegetables, Cucurbits 그룹(Group 011, VC)과 fruiting vegetables, other than Cucurbits 그룹(Group 012, VO)으로 나눈다(Table 2). Group 011은 011A (cucumbers and summer squash)와 011B (melons, pumpkins and winter squash)로, Group 012는 012A (tomatoes), 012B (pepper and pepper-like commodities), 012C (egg plant and egg plant-like commodities)로 세분화된다. 멜론(melon)은 VC0046, 수박(watermelon)은 VC0432, 오이(cucumber)는 VC0424, 참외(Korean melon)는 VC0046에 해당하며, 호박(squash)<sup>11)</sup>은 VO0431 (summer squash), VC0433 (winter squash), VC0429 (pumpkins) 모두에 해당한다. 가지(egg plant)의 코덱스 코드는 VO0440, 고추(green & red pepper, fresh)는 VO0444 (peppers, chili), 토마토(tomato)는 VO0448, 방울토마토(cherry tomato)는 VO2700, 피망(sweet pepper)은 VO0445이다. 이들 식품은 모두 국내 분류 박과 과채류와 박과 이외 과채류에 속한다.

### Brassica and leafy vegetables

국내에서 결구 엽채류와 엽채류로 분류하는 채소류를 코덱스는 Brassica vegetables (except Brassica leafy vegetables)와 leafy vegetables (including Brassica leafy vegetables)로 분류한다. 전자는 Group 010과 VB로 후자는 Group 013과 VL로 표시한다. Group 010은 subgroup 010A (flowerhead Brassicas), 010B (head Brassicas), 010C (stem

**Table 1.** Bulb vegetables in the Codex food classification

Subgroup	Code and name of commodity
009A Bulb onions	VA2600 Daylily; VA2601 Fritillaria (bulb); VA0381 Garlic; VA0382 Garlic, great-headed; VA2602; Garlic, serpent; VA2603 Lily; VA0385; Onion, bulb; VA0386 Onion, Chinese; VA0388 Shallot; VA0390 Silverskin onion
009B Green onions	VA2605 Chives; VA2606 Chives, Chinese; VA2607 Elegans hosta; VA2608 Fritillaria (green); VA2609 Garlic chives; VA0383 Kurrat; VA2610 Lady's leek; VA0384 Leek; VA2611 Onion, beltsville bunching; VA2612 Onion, fresh; VA2613 Onion, macrostem; VA2614 Onion, pearl; VA2615 Onion, potato; VA0387 Onion, Welsh; VA0389 Spring onion; VA0391 Tree onion; VA2616 Wild leek

For a commodity group of the bulb vegetables, the group code is 009 and the group letter code is VA.

**Table 2.** Fruiting vegetables in the Codex food classification

Subgroup	Code and name of commodity
011A Cucumbers and summer squashes	VC0420 Balsam apple; VC0421 Bitter melon; VC0422 Bottle gourd; VC0423 Chayote; VC2650 Chieh qua; VC2651 Chinese cucumber; VC0424 Cucumber; VC2652 Cucumber, exploding; VC2653 Cucumber, stuffing; VC2654 Gac; VC0425 Gherkin; VC0426 Gherkin, west Indian; VC2655 Gourd, bitter snake; VC2656 Gourd, buffalo; VC2657 Gourd, fluted; VC2658 Gourd, Malabar; VC2659 Gourds, other; VC2660 Gourd, pointed; VC2661 Gourd, round; VC2662 Indian spine gourd; VC2663 Ivy gourd; VC2664 Japanese snake gourd; VC0427 Loofah, angled; VC0428 Loofah, smooth; VC0430 Snake gourd; VC0431 Squash, summer; VC2665 Tacaco
011B Melons, pumpkins and winter squashes	VC2680 African horned melon; VC2681 Casabanana; VC0046 Melons, except watermelon; VC2683 Melon, nara; VC0429 Pumpkins; VC0432 Watermelon; VC2684 Wax gourd (mature fruit); VC0433 Winter squash
012A Tomatoes	VO0451 Bush tomato; VO2700 Cherry tomato; VO2701 Cocona; VO2702 Currant tomato; VO2703 Garden huckleberry; VO2704 Goji berry; VO0441 Ground cherries; VO2705 Sunberry; VO2706 Tomatillo; VO 0448 Tomato
012B Pepper and pepper-like commodities	VO2709 Martynia; VO0442 Okra; VO0444 Peppers, chili; VO0445 Peppers, sweet; VO0446 Roselle
012C Egg plant and egg plant-like commodities	VO2711 African eggplant; VO0440 Egg plant; VO2712 Pea eggplant; VO0443 Pepino; VO2713 Scarlet eggplant; VO2714 Thai eggplant

For a commodity group of the fruiting vegetables, Cucurbits, the group code is 011 and the group letter code is VC. For the fruiting vegetables, other than Cucurbits, the group code is 012 and the group letter code is VO.

Brassicas)의 3개의 subgroup으로, Group 013은 subgroup 013A (leafy greens), 013B (Brassica leafy vegetables), 013C (leaves of root and tuber vegetables), 013D (leaves of trees, shrubs and vines), 013E (leafy aquatic vegetables), 013F (witloof), 013G (leaves of cucurbitaceae), 013H (baby leaves), 013I (sprouts)의 9개의 subgroup으로 세분화되어 있다(Table 3). 배추(Korean cabbage)는 코덱스 식품분류에 Kimchi cabbage로서 기술되어 있는데 이것은 VB0467 (Chinese cabbage)에 포함된다. 양배추(cabbage)는 VB0041 (cabbage, head), 브로콜리(broccoli)는 VB0400, 콜리플라워(cauliflower)는 VB0404에 해당한다. 상추(lettuce, leaf)는 VL0483, 양상추(lettuce, head)는 VL0482, 엇갈이배추(ssam cabbage)는 VL2785, 시금치(spinach)는 VL0502, 썩갓(crown daisy)<sup>12)</sup>은 VL2752 (Chrysanthemum, edible leaves)에 해당한다.

#### Legume vegetables and pulses

Legume vegetables은 Group 014로서 group letter code VP로 표시되고 014A (beans with pods), 014B (peas with pods), 014C (succulent beans without pods), 014D (succulent peas without pods), 014E (underground beans and peas)의 5개의 subgroup으로 나뉜다(Table 4). Pulses (Group 015, VD)는 건조 두류로서 015A (dry beans), 015B (dry peas), 015C (dry underground pulses)로 나뉜다. 국내에서는 pulses에 해당하는 식품은 채소류가 아닌 두류(건조한 것)로 분류하고 있고 꼬투리(pods)까지 섭취하는 두류는

팥콩의 명칭으로 박과 이외의 과채류로 분류하고 있다<sup>8)</sup>. 대두(soybean)는 VD0541, 팥(red bean)은 VD0560 (adzuki bean), 녹두(mung bean)는 VD0536에 해당한다. 완두(pea)는 팥협용 완두가 국내에서 생산되는 데<sup>13)</sup> 이것은 garden pea (VP2863)인 것으로 판단된다.

#### Root and tuber vegetables

이들 채소류는 Group 016으로서 group letter code VR로 표시된다(Table 5). 그리고 016A (root vegetables), 016B (tuberous and corm vegetables), 016C (aquatic root and tuber vegetables)로 세분화된다. 국내에서 서류와 근채류로 분류되는 대부분의 식품이 Group 016에 해당한다. 서류인 감자(potato)는 VR0589, 고구마(sweet potato)는 VR0508, 토란(taro)은 VR0505, 마(yam)<sup>14)</sup>는 VR0600 (yam, Chinese), 카사바(cassava)는 VR0463, 곤약(konjac)은 VR2980에 해당한다. 근채류인 무(radish, root)<sup>15)</sup>는 VR0591 (radish, Chinese), 당근(carrot)은 VR0577, 연근(lotus root)<sup>16)</sup>은 VR-3002, 우엉(burdock)<sup>17)</sup>은 VR0575, 도라지(balloon flower)<sup>18)</sup>는 코덱스 식품분류에 doraji 명칭이 있고 이것은 VR2940 (bellflower, Chinese)에 속한다. 더덕(bonnet bellflower, beet, root)<sup>19)</sup>은 VR2943 (deodeok), 인삼(ginseng)은 VR0604에 해당한다.

#### Stalk and stem vegetables

이 그룹은 Group 017로서 VS로 표시된다(Table 5). Group 017은 017A (stems and petioles), 017B (young

**Table 3.** Brassica and leafy vegetables in the Codex food classification

Subgroup	Code and name of commodity
010A Flowerhead Brassicas	VB0400 Broccoli; VB0404 Cauliflower
010B Head Brassicas	VB0402 Brussels sprouts; VB0041 Cabbages, head; VB0467 Chinese cabbage (type Pe-tsai)
010C Stem Brassicas	VB0405 Kohlrabi; VB2640 Stem mustard
013A Leafy greens	VL2711 African eggplant leaves; VL2740 African nightshade; VL2741 Agretti; VL0460 Amaranth leaves; VL2742 Aster, Indian; VL2743 Ayoyo; VL0520 Bambara groundnut leaves; VL0640 Barley shoot; VL2744 Bitawiri; VL2745 Bitter leaf; VL2746 Blackjack; VL0462 Boxthorn; VL2747 Cat's whiskers; VL2748 Chamchwi; VL2749 Chamnamul; VL2750 Chamssuk; VL0464 Chard; VL0465 Chervil; VL0469 Chicory leaves; VL0444 Chili pepper leaves; VL2751 Chipilin; VL2752 Chrysanthemum, edible leaves; VL0526 Common bean leaves; VL0470 Corn salad; VL0510 Cos lettuce; VL2753 Cosmos; VL0527; Cowpea leaves; VL0474 Dandelion; VL2754 Danggwai; VL2600; Daylily leaves; VL0475 Dock; VL2755 Dolnamul; VL2756 Ebolo; VL0476 Endive; VL0514 Fame flower; VL0515 Feather cockcomb; VL2757 Glasswort, common; VL2758 Godeulppaegi; VL2759 Gomchwi; VL0477 Goosefoot leaves; VL2760 Iceplant; VL2761 Japanese honewort; VL2762 Jute; VL2763 Lettuce, bitter; VL0482 Lettuce, head; VL0483 Lettuce, leaf; VL2764 Mallow leaves; VL0486 New Zealand spinach; VL0488 Orach; VL0697 Peanut leaves; VL2765 Perilla leaves; VL0490 Plantain leaves; VL2766 Polygonatum leaves; VL0492 Purslane; VL0493 Purslane, winter; VL2767 Sanmaneu leaves; VL 0501 Sowthistle; VL0541 Soya bean leaves; VL2768 Spider plant; VL0502 Spinach; VL0503 Spinach, Indian; VL2769 Seumbagwi; VL2770 Tanier spinach; VL2771 Violet, Chinese
013B Brassica leafy vegetables	VL0401 Broccoli, Chinese; VL2775 Broccoli raab; VL2776 Cabbage, Abyssinian; VL2777 Cabbage, seakale; VL0466 Chinese cabbage (type Pak-choi); VL2778 Chinese flat cabbage; VL0472 Cress, garden; VL2779 Cress, upland; VL0468 Flowering white cabbage; VL2780 Hanover salad; VL0480 Kale; VL0405 Kohlrabi leaves; VL0481 Komatsuna; VL2946 Maca leaves; VL0481 Mizuna; VL0485 Mustard greens; VL2782 Mustard, tuberous rooted leaves, Chinese; VL2783 Purple-stem mustard; VL0494 Radish leaves (including radish tops); VL0495 Rape greens; VL0496 Rucola; VL0497 Rutabaga greens; VL2784 Shepherd's purse; VL2785 Ssam cabbage; VL0506 Turnip greens; VL2786 Wasabi leaves; VL2787 Wild rocket
013C Leaves of root and tuber vegetables	VL2790 Alexanders leaves; VL0573 Arrowroot leaves; VL2940 Bell flower, Chinese leaves; VL0463 Cassava leaves; VL0592 Rampion leaves; VL0498 Salsify leaves; VL0508 Sweet potato, leaves; VL504 Tannia leaves; VL0505 Taro leaves; VL0599 Ullucu leaves; VL2795 Velvet plant leaves; VL0600 Yam leaves
013D Leaves of trees, shrubs and vines	VL2810 Acacia shoots; VL2811 Ben moringa leaves; VL0269 Grape leaves; VL0517 Melientha; VL2524 Monkey-bread tree leaves; VL2812 Okazi leaves; VL0337 Papaya leaves; VL0446 Rosele leaves; VL295 Sichuan pepper sprouts; VL2813 Toona sinensis; VL2814 White lead tree
013E Leafy aquatic vegetables	VL0507 Kangkung; VL2820 Water clover; VL0473 Watercress; VL0518 Water mimosa; VL2821 Water shield
013F Witloof	VL2832 Witloof chicory (sprouts)
013G Leaves of Cucurbitaceae	VL0421 Balsam pear leaves; VL0423 Chayote leaves; VL2830 Ivy gourd leaves; VL2831 Kahurura; VL0429 Pumpkin leaves
013H Baby leaves	VL2057 Baby leaves
013I Sprouts	VL2058 Subgroup of sprouts; VL1020 Alfalfa sprouts; VL0536 Munbean sprouts; VL2835 Radish sprouts; VL1265 Soya bean sprouts

For a commodity group of the Brassica vegetables (except Brassica leafy vegetables), the group code is 010 and the group letter code is VB. For the leafy vegetables (including Brassica leafy vegetables), the group code is 013 and the group letter code is VL.

shoots), 017C (others)의 subgroup으로 나뉜다. 미나리(water dropwort)는 VS3035 (water-celery), 고사리(bracken)<sup>20)</sup>는 VS3029 (ferns, edible), 아스파라거스(asparagus)는 VS0621,

셀러리(celery)는 VS0624, 죽순(bamboo shoot)은 VS0622에 해당한다. 이들 식품은 국내 식품분류 업경채류에 속한다.

**Table 4.** Legume vegetables and pulses in the Codex food classification

Subgroup	Code and name of commodity
014A Beans with pods	VP0061 Beans with pods ( <i>Phaseolus</i> spp.); VP2840 Beans with pods ( <i>Vigna</i> spp.); VP0522 Broad bean; VP2841 Catjang; VP0526 Common bean (poroto); VP0527 Cowpea; VP0530 Goa bean; VP0525 Guar; VP0532 Jack bean; VP0531 Lablab bean; VP0535 Moth bean; VP0536 Mung bean; VP0539 Rice bean; VP 540 Scarlet runner bean; VP0546 Soya bean; VP2842 Stink bean; VP0542 Sword bean; VP0521 Urd bean; VP0544 Yard-long bean
014B Peas with pods	VP 0063 Peas with pods ( <i>Pisum</i> spp.); VP0690 Ben Moringa; VP0524 Chick-pea; VP0528 Garden pea; VP2860 Grass pea; VP0533 Lentil; VP0537 Pigeon pea; VP0538 Podded pea; VP0543 Winged pea
014C Succulent beans without pods	VP0062 Beans without pods ( <i>Phaseolus</i> spp.); VP2068 Beans without pods ( <i>Vigna</i> spp.); VP0523 Broad bean without pods; VP2844 Catjang; VP2845 Common bean; VP2846 Cowpea; VP2847 Goa bean; VP2853 Jack bean; VP2848 Lablab bean; VP0534 Lima bean; VP0545 Lupin; VP2849 Moth bean; VP2850 Scarlet runner bean; VP0541 Soya bean; VP2851 Stink bean; VP2852 Velvet bean
014D Succulent peas without pods	VP0064 Peas ( <i>Pisums</i> pp.) without pods; VP2862 Chick-pea; VP2863 Garden pea; VP2864 Lentil; VP2865 Pigeon pea
014E Underground beans and peas	VP0520 Bambara groundnut; VP0697 Peanut
015A Dry beans	VD0071 Beans ( <i>Phaseolus</i> spp.); VD2891 Beans ( <i>Vigna</i> spp.); VD0560 Adzuki bean; VD2890 African yam bean; VD0523 Broad bean; VD0526 Common bean; VD2892 Common vetch; VD0527 Cowpea; VD0530 Goa bean; VD0525 Guar; VD0562 Horse gram; VD0542 Jack bean; VD0531 Lablab bean; VD0534 Lima bean; VD0545 Lupin; VD2893 Morama bean; VD0535 Moth bean; VD0536 Mung bean; VD0539 Rice bean; VD0540 Scarlet runner bean; VD0541 Soya bean; VD2898 Sword bean; VD0564 Tepary bean; VD2894 Thick bean; VD0521 Urd bean; VD2852 Velvet bean; VD2895 Vetches ( <i>Vicia</i> spp.); VD0543 Winged pea; VD2896 Yardlong bean
015B Dry peas	VD0072 Peas ( <i>Pisum</i> spp.); VD0524 Chick-pea; VD0561 Field pea; VD2860 Grass-pea; VD0533 Lentil; VD0537 Pigeon pea
015C Dry underground pulses	VD0520 Bambara groundnut; VD0563 Kersting's groundnut

For a commodity group of the legume vegetables, the group code is 014 and the group letter code is VP. For the pulses, the group code is 015 and the group letter code is VD.

### Edible fungi

코덱스의 이 그룹(Group 018, VF)에 버섯류가 포함되어 subgroup은 있지 않다(Table 6). 느타리버섯(oyster mushroom)은 VF3063, 송이버섯(pine mushroom)은 VF3064, 표고버섯(oak mushroom)은 VF3067 (shiitake mushroom), 팽이버섯(winter mushroom)은 VF3056 (enoke), 목이버섯(tree ear)은 VF3057 (hirmeola), 왕송이 (Wangsongi)는 VF3072에 해당한다<sup>21-23</sup>.

코덱스는 채소류를 10개의 그룹과 33개의 subgroup으로 분류하고 있다. Commodity code가 부여된 식품종은 group 코드와 subgroup 코드를 제외하면 총 430개로 집계된다. Subgroup별로 commodity code의 총 수(괄호 안에 표시)는 다음과 같다: bulb vegetables-009A (1), 009B (17), Brassica vegetables (except Brassica leafy vegetables)-010A (2), 010B (3), 010C (2), fruiting vegetables (Cucurbits)-011A (27), 011B (8), fruiting vegetables other than Cucurbits-012A (10), 012B (5), 012C (6), leafy vegetables (including Brassica leafy vegetables)-013A (64), 013B (27), 013C (12), 013D

(11), 013E (5), 013F (1), 013G (5), 013H (1), 013I (4), legume vegetables-014A (19), 014B (9), 014C (16), 014D (5), 014E (2), pulses-015A (29), 015B (6), 015C (2), root and tuber vegetables-016A (34), 016B (33), 016C (5), stalk and stem vegetables-017A (10), 017B (9), 017C (4), edible fungi (27). 국내 식품의약품안전처는 채소류와 마찬가지로 서류, 두류, 버섯류도 대부분으로 하여 이들을 채소류에 포함시키지 않고 있다. 또한 채소류를 6개의 소분류인 결구 엽채류, 엽채류, 엽경채류, 근채류, 박과 과채류, 박과 이외 과채류로 세분화하고 있다. 이와 같이 코덱스와 국내의 식품분류에 차이가 있기 때문에 코덱스 식품분류를 활용하는 데 주의가 필요하다.

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**Table 5.** Root/tuber and stalk/stem vegetables in the Codex food classification

Subgroup	Code and name of commodity
016A Root vegetables	VR2070 Root vegetables; VR0574 Beetroot; VR2940 Bellflower, Chinese; VR0575 Burdock, greater or edible; VR2941 Caraway, black root; VR0577 Carrot; VR0578 Celeriac; VR0579 Chervil, Turnip-rooted; VR0469 Chicory, roots; VR2942 Dandelion root; VR2943 Deodeok; VR0604 Ginseng; VR0583 Horseradish; VR1024 Kudzu; VR2944 Ladybell root; VR2945 Maca; VR2946 Madeira vine; VR2947 Mauka; VR2948 Murnong; VR2949 Mustard, tuberous rooted Chinese; VR0587 Parsley, turnip-rooted; VR0588 Parsnip; VR2950 Pencil yam; VR0494 Radish; VR0590 Radish, black; VR0591 Radish, Japanese; VR0592 Rampion roots; VR0498 Salsify; VR 0593 Salsify, Spanish; VR0594 Scorzonera; VR0595 Skirret; VR0596 Sugar beet; VR0497 Swede; VR2951 Ti palm; VR0506 Turnip, garden
016B Tuberous and corm vegetables	VR0570 Alocasia (corm); VR2970 American potato bean; VR0571 Arracacha; VR0573 Arrowroot; VR0598 Arrowroot, Guineag; VR2971 Arrowroot, Polynesian; VR2972 Banana, Abyssinian; VR0576 Canna, edible; VR0463 Cassava; VR0423 Chayote root; VR0584 Chinese artichoke; VR2973 Chinese potato; VR 2974 Cowpea, wild; VR2975 Earthnut pea; VR2976 Elephant foot yam; VR2977 Gastrodia tuber; VR2978 Giant swamp taro; VR0530 Goa bean root; VR0585 Jerusalem artichoke; VR2979 Kaffir potato; VR2980 Konjac; VR2981 Mashua; VR0586 Oca; VR2982 Pignut; VR0589 Potato; VR0508 Sweet potato; VR0504 Tannia; VR0505 Taro; VR0580 Tiger nut; VR0599 Ullucu; VR2983 Yacon; VR0600 Yams; VR0601 Yam bean
016C Aquatic root and tuber vegetables	VR0572 Arrowhead; VR3000 Cattail; VR3001 Chinese water chestnut; VR3002 Lotus tuber; VR3003 Olbanggae
017A Stems and petioles	VS3020 Burdock, edible tops; VS0623 Cardoon; VS0624 Celery; VS0625 Celtuce; VS0380 Fennel, bulb; VS3021 Giant butterbur; VS0627 Rhubarb; VS0508 Sweet potato, stems; VS0505 Taro stems; VS3022 Zuiki
017B Young shoots	VS3025 Agave; VS0621 Asparagus; VS0622 Bamboo shoots; VS3026 Dokhwal shoot; VS3027 Dureup young shoot; VS3028 Eumnamu shoot; VS3029 Ferns, edible; VS0499 Kale, sea; VS3030 Udo
017C Others	VS0620 Artichoke, globe; VS0626 Palm hearts; VS0356 Prickly pear pads; VS3035 Water-celery

For a commodity group of the root/tuber vegetables, the group code is 016 and the group letter code is VR. For the stalk/stem vegetables, the group code is 017 and the group letter code is VS.

**Table 6.** Edible fungi in the Codex food classification

Code and name of commodity
VF0449 Fungi, Edible, except Mushrooms; VF3050 Black poplar mushroom; VF3051 Blewitt; VF3052 Bunashimeji; VF3053 Cauliflower mushroom; VF3054 Cep; VF3055 Chanterelle; VF3056 Enoke; VF3057 Hirmeola; VF3058 Ink mushroom; VF3059 Maitake; VF3060 Morel; VF0450 Mushrooms; VF3061 Nameko; VF3062 Net bearing Dictyophora; VF3063 Oyster mushroom; VF3064 Pine mushroom; VF3065 Pom pom; VF3066 Reishi mushroom; VF3067 Shiitake mushroom; VF3068 Shimeji; VF3069 Straw mushroom; VF3070 Stropharia; VF3071 Truffle; VF3072 Wangsongi; VF3073 White jelly mushroom; VF3074 Wood ears mushroom

For a commodity group of the edible fungi, the group code is 018 and the group letter code is VF.

## 국문요약

국제식품규격위원회(Codex Alimentarius Commission, CAC)는 2007년에 식품분류 개정작업에 착수하여 현재 대부분의 식품군에 대한 개정을 완료한 상태이다. 채소류의 경우 개정작업이 2014년에 시작됐으며 2017년에 40<sup>th</sup> CAC에 의해 개정안이 채택되었다. 여기에서는 식품 안전 규제를 비롯해 다양한 식품분야에서 활용될 수 있도록 채소류에 대한 CAC(코덱스) 식품분류 개정 내용을 소개하였다. 그 내용을 간략히 보면 코덱스는 채소류를 다음과 같이 10개의 그룹으로 분류하였다: bulb vegetables (Group 009), Brassica vegetables (except Brassica leafy vegetables)

(Group 010), fruiting vegetables, Cucurbits (Group 011), fruiting vegetables, other than Cucurbits (Group 012), leafy vegetables (including Brassica leafy vegetables) (Group 013), legume vegetables (Group 014), pulses (Group 015), root and tuber vegetables (Group 016), stalk and stem vegetables (Group 017), edible fungi (Group 018). 또한 이들 그룹 안에는 subgroup을 두어 채소류는 총 33개의 subgroup으로 분류되고 현재 총 430개의 채소종류에 commodity code가 부여되어 있다. 국내 식품의약품안전처는 채소류와 마찬가지로 서류, 두류, 버섯류를 대분류로 하여 이들을 채소류에 포함시키지 않고 있다. 또한 채소류를 6개의 소분류인 결구 엽채류, 엽채류, 엽경채류, 근

채류, 박과 과채류, 박과 이외 과채류로 세분화하고 있다. 이와 같이 코덱스와 국내의 식품분류에 차이가 있으므로 코덱스 식품분류를 활용하는 데 주의가 요구된다.

## References

1. Lee, M.G.: Revision in the Codex classification of foods and animal feeds. *Korean J. Pestic. Sci.*, **18**, 48-51 (2014).
2. Ministry of Food and Drug Safety: Food Code (incl. Notification, 2018-33), MFDS, Korea, p. 2 (2018).
3. Ministry of Food and Drug Safety: Food Code (incl. Notification, 2018-74), MFDS, Korea, p. 2 (2018).
4. Lee, M.G.: Classification and nomenclature of fruit commodities in South Korea and Codex Alimentarius Commission. *J. Food Hyg. Saf.*, **33**, 162-167 (2018).
5. Codex Alimentarius Commission: Joint FAO/WHO Food Standards Programme, Fortieth Session, Report, p. 18 (2017).
6. Codex Alimentarius Commission: Report of the 49<sup>th</sup> Session of the Codex Committee on Pesticide Residues, pp. 56-100 (2017).
7. Ministry of Food and Drug Safety: Food Code (incl. Notification, 2018-18), MFDS, Korea, pp. 10-11 (2018).
8. Ministry of Food and Drug Safety: Food Code (incl. Notification, 2018-74), MFDS, Korea, pp. 10-11 (2018).
9. Ministry of Food and Drug Safety: Food Code, English version (incl. Notification, 2017-57), MFDS, Korea, pp. 16-17 (2017).
10. Ministry of Food and Drug Safety: Pesticide MRLs in Food, MFDS, Korea, pp. 16-19 (2017).
11. Rural Development Administration: Sqash, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 15 (2018).
12. Korea Biodiversity Information System: Crowndaisy *Chrysanthemum*, Available from: <http://nature.go.kr/kbi>. Assessed November 10 (2018).
13. Rural Development Administration: Pea, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 15 (2018).
14. Korea Forestry Promotion Institute: Chinese yam, DB Encyclopedia on Forest Products, Available from: <https://www.kofpi.or.kr/info/>. Assessed November 15 (2018).
15. Rural Development Administration: Radish, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 15 (2018).
16. Rural Development Administration: Lotus root, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 10 (2018).
17. Rural Development Administration: Burdock, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 10 (2018).
18. Rural Development Administration: Doraji, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 15 (2018).
19. Rural Development Administration: Deodeok, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 15 (2018).
20. Rural Development Administration: Bracken, Available from: <http://www.nongsaro.go.kr/portal/>. Assessed November 15 (2018).
21. Ga, G.H., Yun, G.H., Park, W.C.: Forest Mushrooms, Korea Forest Research Institute, Seoul, pp. 98-110 (2017).
22. Suk, S.J., Kwon, S.W., Kim, Y.G., Lee, G.S., Ga, G.H., Park, W.C., Cho, S.T., Choi, D.H.: Edible Mushrooms in Forest, National Academy of Agriculture Science, Rural Development Administration, Suwon, pp. 52-74 (2014).
23. Korea Forestry Promotion Institute: Oak mushroom, DB Encyclopedia on Forest Products, Available from: <https://www.kofpi.or.kr/info/>. Assessed November 15 (2018).