

CROP NAME	Growth Stage Description	GS
UPDATED: JUNE 6, 2017		
<b>ALMOND</b>		
Almond	Vegetative	up to 5.0
Almond	Early fruit enlargement/Shuck Fall	7.0-7.2
Almond	Mid fruit enlargement	7.3
Almond	Mid fruit enlargement	7.4
Almond	Late fruit enlargement & Stone Hardening	7.5-7.9
Almond	Fruit Maturation	8.0-8.6
Almond	Ripe Fruit for Harvest	8.7-8.9
Almond	Post-harvest	9.0-9.1
<b>ALMOND KERNEL</b>		
Almond Kernel	Early-mid fruit	7.2-7.4
Almond Kernel	Stone hardening	7.5-7.9
Almond Kernel	Fruit maturation	8.0-8.9
<b>APPLE</b>		
Apple	Open cluster	5.3
Apple	End of flowering	6.9
Apple	Fruit development (10mm)	7.1
Apple	Second fruit fall (30mm)	7.3
Apple	T-stage	7.4
Apple	Beginning of ripening	8.1
Apple	Harvest maturity	8.7
Apple	Post Harvest	9.1
<b>APPLE FUJI</b>		
Apple Fuji	Shoot development	3.1 - 3.9
Apple Fuji	Open cluster	5.3
Apple Fuji	End of flowering	6.9
Apple Fuji	Fruit development (10mm)	7.1
Apple Fuji	Fruit development (20mm)	7.2
Apple Fuji	Second fruit fall (30mm)	7.3
Apple Fuji	T-stage	7.4
Apple Fuji	Fruit development (1/2 final size)	7.5
Apple Fuji	Beginning of ripening	8.1
Apple Fuji	Harvest maturity	8.7
<b>APPLE GALA</b>		
Apple GALA	Shoot development	3.1 - 3.9
Apple GALA	Open cluster	5.3
Apple GALA	End of flowering	6.9
Apple GALA	Fruit development (10mm)	7.1
Apple GALA	Fruit development (20mm)	7.2
Apple GALA	Second fruit fall (30mm)	7.3
Apple GALA	T-stage	7.4
Apple GALA	Fruit development (1/2 final size)	7.5
Apple GALA	Beginning of ripening	8.1
Apple GALA	Harvest maturity	8.7
<b>APPLE GRANNY SMITH</b>		
Apple GRANNY SMITH	Shoot development	3.1 - 3.9
Apple GRANNY SMITH	Open cluster	5.3
Apple GRANNY SMITH	End of flowering	6.9
Apple GRANNY SMITH	Fruit development (10mm)	7.1
Apple GRANNY SMITH	Fruit development (20mm)	7.2
Apple GRANNY SMITH	Second fruit fall (30mm)	7.3
Apple GRANNY SMITH	T-stage	7.4
Apple GRANNY SMITH	Fruit development (1/2 final size)	7.5
Apple GRANNY SMITH	Beginning of ripening	8.1
Apple GRANNY SMITH	Harvest maturity	8.7
<b>APPLE JAZZ</b>		
Apple JAZZ	Open cluster	5.3
Apple JAZZ	End of flowering	6.9
Apple JAZZ	T-stage	7.4
<b>APPLE KANZI</b>		
Apple KANZI	Open cluster	5.3
Apple KANZI	End of flowering	6.9
Apple KANZI	Second fruit fall (30mm)	7.3
Apple KANZI	T-stage	7.4
<b>APPLE PINK LADY</b>		
Apple PINK LADY	Shoot development	3.1 - 3.9
Apple PINK LADY	Open cluster	5.3
Apple PINK LADY	End of flowering	6.9
Apple PINK LADY	Fruit development (10mm)	7.1
Apple PINK LADY	Fruit development (20mm)	7.2
Apple PINK LADY	Second fruit fall (30mm)	7.3
Apple PINK LADY	T-stage	7.4
Apple PINK LADY	Fruit development (1/2 final size)	7.5
Apple PINK LADY	Beginning of ripening	8.1
Apple PINK LADY	Harvest maturity	8.7

APPLE FRUIT		
Apple Fruit	Fruit size up to 10mm	7.1
Apple Fruit	Fruit size up to 20mm	7.2
Apple Fruit	Fruit size 40mm, T stage	7.4
Apple Fruit	Fruit half final size	7.5
Apple Fruit	Beginning of ripening	8.1
Apple Fruit	Advanced ripening	8.5
Apple Fruit	Fruit ripe for harvest	8.7
Apple Fruit	Post harvest	9.1
APRICOT		
Apricot	Flowering	6.5
Apricot	Shuck fall	7.2
Apricot	Stone hardening	7.5
Apricot	Fruit about 60% of final size	7.6
Apricot	Fruit about 70% of final size	7.7
Apricot	Fruit about 80% of final size	7.8
Apricot	8.9 Harvest	8.9
ASPARAGUS		
Asparagus	Unknown	unknown
AVOCADO		
Avocado	Dormant/flower bud formation	9
Avocado	Pre Flower	5
Avocado	Fruit set	6
Avocado	1st Fruit drop	6.9
Avocado	2nd Fruit drop	7.1
Avocado	Fruit sizing	7.5
Avocado	Fruit fill	8
Avocado	Harvest	8.5
BANANA		
Banana	4.9-Development of the suckers	4.9
Banana	6.5-Fruit sizing	6.5
Banana	7.0-Fruit fill	7
BARLEY		
Barley	5 or more leaves	12-15
Barley	Tillering 21-29	21-29
Barley	Stem elongation 30-34	30-34
Barley	Booting 37-49	37-49
BASIL		
Basil	Unknown	Unknown
BEETROOT		
Beetroot	Seedling	1.4
Beetroot	30% Crop Cover	3.3
Beetroot	90% Crop Cover	3.9
Beetroot	Harvest	4.9
BLACKBERRY		
Blackberry	flower buds visible	5
Blackberry	mid inflorescence emergence	5.5
Blackberry	early flowering	6.1
Blackberry	early fruit development	7.1
Blackberry	50% fruit formed	7.5
Blackberry	early harvest	8
Blackberry	mid harvest	8.5
Blackberry	post harvest	9
BLUEBERRY		
Blueberry	Mid flowering	6.5
Blueberry	All petals fallen, end of flowering	6.9
Blueberry	Fruit size up to 20% of final size	7.2
Blueberry	Fruit about half final size	7.5
Blueberry	Fruit about 70% of final size	7.7
Blueberry	Beginning of ripening, pink fruit	8.1
Blueberry	50% fruit harvested	8.5
Blueberry	Harvest completed, foliage still fully green	9.1
BROAD BEAN		
Broad bean	Pre-flowering to flowering	5.1-6.9
BROCCOLI		
Broccoli	Leaf Development	1.7
Broccoli	Vegetative	2.2
Broccoli	Head Initiation	2.4
Broccoli	Buttoning/Early head	4.1
Broccoli	30% final frame size/Early head	4.3
Broccoli	50% final frame size/Mid head	4.5
Broccoli	70% final frame size/late head	4.7
Broccoli	Harvest/Head tightly closed	4.9
BRUSSELS SPROUT		
Brussels sprout	Vegetative	1.8
Brussels sprout	Main stem elongation	3.5
Brussels sprout	Budding	3.8
Brussels sprout	Early sprout growth	4.1
Brussels sprout	Mid sprout growth	4.5
BUFFEL GRASS		
Buffel Grass	Unknown	Unknown

<b>CABBAGE</b>		
Cabbage	1. vegetative	1.8
Cabbage	4. early head development	4.3
Cabbage	4. mid head development	4.5
Cabbage	4. late head development	4.7
Cabbage	4. peak harvest	4.9
<b>CANOLA</b>		
Canola	4 leaves unfolded	1.4
Canola	8 leaves unfolded	1.8
Canola	Stem elongation	3.3
Canola	Rosette (Green bud)	5.1
Canola	Inflorescence emergence	5.3
Canola	Rosette (Yellow bud)	5.9
Canola	Early flowering	6.2
Canola	Late flowering	6.8
Canola	Pod development	7.3
<b>CAPSICUM</b>		
Capsicum	Vegetative Growth	2.1
Capsicum	Inflorescence Emergence	5.1
Capsicum	Flowering	6.1
Capsicum	Flowering	6.7
Capsicum	Fruit development	7.3
Capsicum	Fruit development	7.7
Capsicum	Harvest	8.5
Capsicum	Harvest	8.9
<b>CARNATION</b>		
Carnation	Establishment	1
Carnation	Early vegetative	1.1
Carnation	Late vegetative	1.3
Carnation	Mid bud development	5.2
<b>CARROT</b>		
Carrot	5th true leaf unfolded	1.5
Carrot	8th true leaf unfolded	1.8
Carrot	20% expected root diameter	4.2
Carrot	40% expected root diameter	4.4
Carrot	50% expected root diameter	4.5
Carrot	60% expected root diameter	4.6
Carrot	70% expected root diameter	4.7
Carrot	80% expected root diameter	4.8
<b>CARROT ROOT</b>		
Carrot root	20% expected root diameter	4.2
Carrot root	50% expected root diameter	4.5
Carrot root	60% expected root diameter	4.6
Carrot root	80% expected root diameter	4.8
<b>CAULIFLOWER FRESH MARKET</b>		
Cauliflower Fresh Market	Early Establishment	1.3
Cauliflower Fresh Market	Vegetative - 6 leaf	1.6
Cauliflower Fresh Market	Vegetative - 7 leaf	1.7
Cauliflower Fresh Market	Vegetative - 9 leaf	1.9
Cauliflower Fresh Market	Early head formation	4.3
Cauliflower Fresh Market	50% final head size	4.5
Cauliflower Fresh Market	70% final head size	4.7
Cauliflower Fresh Market	80% final head size	4.8
Cauliflower Fresh Market	Head tightly closed	4.9
<b>CAULIFLOWER</b>		
Cauliflower	Early Establishment	1.5
Cauliflower	Vegetative 20% final frame size	2.2
Cauliflower	Early head 30% final head size	4.3
Cauliflower	Midhead 50% final head size	4.5
<b>CELERY</b>		
Celery	Early Vegetative	1.5
Celery	Early Bulking	4
Celery	Mid Bulking	4.5
Celery	Late Bulking	4.9
<b>CHERRY</b>		
Cherry	Early fruit development	7.2
Cherry	Early-mid fruit development	7.3
Cherry	Mid fruit development	7.5
Cherry	Mid - late fruit development	7.7
Cherry	Fruit colouring	8.2
Cherry	Harvest	8.9
Cherry	Post harvest	9.1
<b>CHERRY FRUIT</b>		
Cherry Fruit	Early fruit development	7.0-7.2
Cherry Fruit	Early-mid fruit development	7.3-7.4
Cherry Fruit	Mid fruit development; early stone hardening	7.5-7.6
Cherry Fruit	Late stone hardening; fruit 70% - 90% final size	7.7-7.9
Cherry Fruit	Fruit colouring	8.0-8.5
Cherry Fruit	Harvest	8.9
<b>CHICK PEA</b>		
Chick Pea	Mid Vegetative	2.5
Chick Pea	Inflorescence emerge	5.5
Chick Pea	Early Flowering	6.2
Chick Pea	Mid Flowering	6.5
Chick Pea	Pod Development	7.5

CHINESE CABBAGE		
Chinese Cabbage	5 Leaf Development	1.5
Chinese Cabbage	8 Leaf Development	1.8
Chinese Cabbage	30% of Head Size	4.3
Chinese Cabbage	50% of Head Size	4.5
CHRYSANTHEMUM		
Chrysanthemum	Establishment	1
Chrysanthemum	Early vegetative	1.1
Chrysanthemum	Late vegetative	1.3
Chrysanthemum	Mid bud development	5.2
Chrysanthemum	Flowering	6.1
CITRUS		
Citrus	Inflorescence emerge	5
Citrus	Flowering	6
Citrus	Fruit development	7.1
Citrus	Fruit development	7.4
Citrus	Fruit development	7.9
Citrus	Fruit ripening	8.9
CITRUS FRUIT		
citrus fruit	7.4 - Fruit Set	7.4
citrus fruit	7.9 - Fruit Set	7.9
COTTON		
Cotton	2.9 Vegetative growth	2.9
Cotton	5.1 Bud development	5.1
Cotton	6.1 Early flowering	6.1
Cotton	6.5 Mid bloom	6.5
Cotton	7.2 20% of bolls final size	7.2
Cotton	Boll maturity (tentative)	8
CORIANDER		
Coriander	Unknown	Unknown
CRISP HEAD LETTUCE		
Crisp head Lettuce	Leaf Development	1.5
Crisp head Lettuce	Leaf Development	1.8
Crisp head Lettuce	Early Heart	4.1
Crisp head Lettuce	Early-Mid Heart	4.3
Crisp head Lettuce	Mid Heart	4.5
Crisp head Lettuce	Pre Harvest	4.7
CRISP HEAD LETTUCE - ICEBERG		
Crisp head Lettuce - Iceberg	Leaf Development	1.5
Crisp head Lettuce - Iceberg	Leaf Development	1.8
Crisp head Lettuce - Iceberg	Early Heart	4.1
Crisp head Lettuce - Iceberg	Mid Heart	4.5
Crisp head Lettuce - Iceberg	Pre Harvest	4.7
CUCUMBER		
Cucumber	Vegetative	1.5
Cucumber	Vegetative	1.9
Cucumber	Flowering	6.1
Cucumber	Fruit Growth	7.1
CUSTARD APPLE		
Custard Apple	Vegetative	1.0-3.9
Custard Apple	Flowering	5.0-5.9
Custard Apple	Fruit set	6.0-6.9
Custard Apple	fruit fill	7.0-7.9
Custard Apple	Harvest	8.5-9.0
EGGPLANT		
Eggplant	Establishment	1.5
Eggplant	Vegetative Growth	2.5
Eggplant	Bud Development	5.1
Eggplant	Flowering	6.3
Eggplant	Fruit Development	7.3
FABA BEAN		
Faba Bean	Bud set	5.3
Faba Bean	Flowering	6.9
Faba Bean	Early bean set	7.1
Faba Bean	Mid bean set	7.3
FLOWER - GENERIC		
Flower - generic	Establishment	1
Flower - generic	Early vegetative	1.1
Flower - generic	Late vegetative	1.3
Flower - generic	Mid bud development	5.5
Flower - generic	Mid flowering	6.5
Flower - generic	Full Flower	8.5
FREESIA		
Freesia	Establishment	1
Freesia	Early vegetative	1.1
Freesia	Late vegetative	1.3
Freesia	Mid bud development	5.5
Freesia	Mid flowering	6.5
Freesia	Daughter bulb sized up and white	8.3
Freesia	Daughter Bulb Sized up and 50% Coloured	8.4
Freesia	Bulbs Mature	8.5

GARLIC		
Garlic	Early Vegetative	1.3
Garlic	Early Vegetative	1.4
Garlic	Early bulbing	4.1
Garlic	Early Bulbing	4.1.1
Garlic	Early-Mid bulbing	4.3
Garlic	Mid bulbing	4.5
Garlic	Mid bulbing	4.6
Garlic	Mid-Late bulbing	4.x
GINGER		
Ginger	Establishment	1.5
Ginger	Establishment	1.9
Ginger	Development of Root	4.2
Ginger	Development of Root	4.5
GRAPE		
Grape	Inflorescence swelling	5.5
Grape	80% Cap Fall	6.8
Grape	Pea Sized Berries	7.5
Grape	Bunch Closure	7.9
Grape	Veraison	8.1
Grape	Harvest Maturity	8.9
GRAPE BERRIES - GENERIC		
Grape Berries - generic	Veraison	8.1
Grape Berries - generic	Berries coloured	8.3
Grape Berries - generic	Softening of berries	8.5
Grape Berries - generic	Berries ripe for harvest	8.9
GRAPE CABERNET SAUVIGNON		
Grape Cabernet Sauvignon	Inflorescence swelling	5.5
Grape Cabernet Sauvignon	80% Cap Fall	6.8
Grape Cabernet Sauvignon	Pea Sized Berries	7.5
Grape Cabernet Sauvignon	Bunch Closure	7.9
Grape Cabernet Sauvignon	Veraison	8.1
Grape Cabernet Sauvignon	Harvest Maturity	8.9
GRAPE CHARDONNAY		
Grape Chardonnay	Vegetative	1.5
Grape Chardonnay	Inflorescence swelling	5.5
Grape Chardonnay	80% Cap Fall	6.8
Grape Chardonnay	Pea Sized Berries	7.5
Grape Chardonnay	Bunch Closure	7.9
Grape Chardonnay	Veraison	8.1
Grape Chardonnay	Harvest Maturity	8.9
GRAPE MERLOT		
Grape Merlot	Inflorescence swelling	5.5
Grape Merlot	80% Cap Fall	6.8
Grape Merlot	Pea Sized Berries	7.5
Grape Merlot	Bunch Closure	7.9
Grape Merlot	Veraison	8.1
Grape Merlot	Harvest Maturity	8.9
GRAPE PETIT VERDOT		
Grape Petit Verdot	Inflorescence swelling	5.5
Grape Petit Verdot	80% Cap Fall	6.8
Grape Petit Verdot	Pea Sized Berries	7.5
Grape Petit Verdot	Bunch Closure	7.9
Grape Petit Verdot	Veraison	8.1
Grape Petit Verdot	Harvest Maturity	8.9
GRAPE PINOT GRIS		
Grape Pinot Gris	Inflorescence swelling	5.5
Grape Pinot Gris	80% Cap Fall	6.8
Grape Pinot Gris	Pea Sized Berries	7.5
Grape Pinot Gris	Bunch Closure	7.9
Grape Pinot Gris	Veraison	8.1
Grape Pinot Gris	Harvest Maturity	8.9
GRAPE PINOT NOIR		
Grape Pinot Noir	Inflorescence swelling	5.5
Grape Pinot Noir	80% Cap Fall	6.8
Grape Pinot Noir	Pea Sized Berries	7.5
Grape Pinot Noir	Bunch Closure	7.9
Grape Pinot Noir	Veraison	8.1
Grape Pinot Noir	Harvest Maturity	8.9
GRAPE RIESLING		
Grape Riesling	Inflorescence swelling	5.5
Grape Riesling	80% Cap Fall	6.8
Grape Riesling	Pea Sized Berries	7.5
Grape Riesling	Bunch Closure	7.9
Grape Riesling	Veraison	8.1
Grape Riesling	Harvest Maturity	8.9
GRAPE SAUVIGNON BLANC		
Grape Sauvignon Blanc	Inflorescence swelling	5.5
Grape Sauvignon Blanc	80% Cap Fall	6.8
Grape Sauvignon Blanc	Pea Sized Berries	7.5
Grape Sauvignon Blanc	Bunch Closure	7.9
Grape Sauvignon Blanc	Veraison	8.1
Grape Sauvignon Blanc	Harvest Maturity	8.9

GRAPE SEMILLON		
Grape Semillon	Vegetative	1.5
Grape Semillon	Inflorescence swelling	5.5
Grape Semillon	80% Cap Fall	6.8
Grape Semillon	Pea Sized Berries	7.5
Grape Semillon	Bunch Closure	7.9
Grape Semillon	Veraison	8.1
Grape Semillon	Harvest Maturity	8.9
GRAPE SHIRAZ		
Grape Shiraz	Vegetative	1.5
Grape Shiraz	Inflorescence swelling	5.5
Grape Shiraz	80% Cap Fall	6.8
Grape Shiraz	Pea Sized Berries	7.5
Grape Shiraz	Bunch Closure	7.9
Grape Shiraz	Veraison	8.1
Grape Shiraz	Harvest Maturity	8.9
GRAPE VIOGNIER		
Grape Viognier	5.5 Inflorescence swelling	5.5
Grape Viognier	6.8 80% Cap Fall	6.8
Grape Viognier	7.5 Pea Sized Berries	7.5
Grape Viognier	7.9 Bunch Closure	7.9
Grape Viognier	8.1 Veraison	8.1
Grape Viognier	8.9 Harvest Maturity	8.9
GREEN BEAN		
Green bean	Vegetative	1.9
Green bean	Bud set	5.5
Green bean	Early flowering	6.1
Green bean	Early bean set	7.3
HAZELNUT		
Hazelnut	Sample Number	1
Hazelnut	Sample Number	2
Hazelnut	Sample Number	3
Hazelnut	Sample Number	4
HONEYDEW MELON		
Honeydew Melon	Min of 9 leaves	1
Honeydew Melon	Min of 19 leaves	1.9
Honeydew Melon	1st secondary side shoot visible	2
Honeydew Melon	1st flowers open on main stem	6
Honeydew Melon	1st fruit on main stem reached full size	7.1
Honeydew Melon	1st fruit on side shoot reached full size	7.8
Honeydew Melon	Preharvest	7.9
Honeydew Melon	Fully ripe fruit	8
IRIS		
Iris	Establishment	1
Iris	Early vegetative	1.1
Iris	Late vegetative	1.3
Iris	Mid bud development	5.5
Iris	Mid flowering	6.5
Iris	Daughter bulb sized up and white	8.3
Iris	Daughter Bulb Sized up and 50% Coloured	8.4
Iris	Bulbs Mature	8.5
ITALIAN RYE GRASS		
Italian Rye Grass	Non-grazing	1
Italian Rye Grass	Non-grazing	2
Italian Rye Grass	Grazing	3
Italian Rye Grass	Grazing	4
KALE		
KALE	Week 3	WK3
KALE	Week 5	WK5
KIKUYU TURF		
Kikuyu Turf	Unknown	Unknown
KIWI FRUIT		
Kiwi Fruit	Vegetative & pre-flower	1 & 5
Kiwi Fruit	Flowering	6.1 - 6.8
Kiwi Fruit	Early fruit development	7.1 - 7.4
Kiwi Fruit	Late fruit development	7.5 - 7.9
LEEK		
Leek	Leaf development	1.5
Leek	10% expected base diameter	4.1
Leek	50% expected base diameter	4.5
Leek	70% expected base diameter	4.7
LILLIUM		
Lillium	Emergence	1
Lillium	Early Vegetative	1.1
Lillium	Late Vegetative	1.3
Lillium	Mid Bud Development	5.5
Lillium	Mid Flowering	6.5
Lillium	Daughter Bulb Sized up and White	8.3
Lillium	Daughter Bulb Sized up and 50% Coloured	8.4
Lillium	Bulbs Mature	8.5

LOOSE LEAF LETTUCE		
Loose Leaf Lettuce	5 True Leaves	1.5
Loose Leaf Lettuce	8 True Leaves	1.8
Loose Leaf Lettuce	Harvest 1	4.1
Loose Leaf Lettuce	Harvest 2	4.5
Loose Leaf Lettuce	Harvest 3	4.7
LOOSE LEAF LETTUCE - COS		
LOOSE LEAF LETTUCE - COS	5 True Leaves	1.5
LOOSE LEAF LETTUCE - COS	8 True Leaves	1.8
LOOSE LEAF LETTUCE - COS	Harvest 1	4.1
LOOSE LEAF LETTUCE - COS	Harvest 2	4.5
LOOSE LEAF LETTUCE - COS	Harvest 3	4.7
LUCERNE		
Lucerne	Mid Vegetative	1.5
Lucerne	Early Bud Development	5.1
Lucerne	Mid Bud Development	5.5
Lucerne	Late Bud Development	5.9
LUPIN		
Lupin	5 Leaves unfolded	1.5
Lupin	3 side shoots	2.3
Lupin	5 side shoots	2.5
Lupin	Flowers above leaves	5.3
Lupin	Coloured bud	5.9
Lupin	10% flowers on main stem open	6.1
Lupin	Full flowering	6.5
Lupin	10% of pods at final size	7.1
LYCHEE		
Lychee	no growth stage	unknown
Lychee	vegetative	1 or 9
Lychee	flowering	6
Lychee	fruiting	7
MACADAMIA		
Macadamia	Vegetative Flush	1
Macadamia	Shoot Development	3
Macadamia	Flowering	5
Macadamia	Fruit Development	7
MAIZE		
Maize	5 Leaves unfolded	1.5
Maize	Tassel emergence	5.3
Maize	Pollination	6.5
Maize	Mid cob	7.1
Maize	Mature cob	8.5
MANDARIN		
Mandarin	Inflorescence emerge	5
Mandarin	Flowering	6
Mandarin	Fruit development	7.1
Mandarin	Fruit development	7.4
Mandarin	Fruit development	7.9
Mandarin	Fruit ripening	8.9
MANGO		
Mango	Pre-flowering	5
Mango	Mid flower emergence	5.5
Mango	40% flowering	6.4
Mango	80% flowering	6.8
Mango	Full flowering	7
Mango	Early fruit set	7.1
Mango	First shedding fruit takes 4 to 5 months to mature	7.3
Mango	Fruit reached 80% of final size	7.8
Mango	Fully ripe fruit, ready for harvest	8.5
MUNG BEAN		
Mung Bean	Vegetative	1.5
Mung Bean	Vegetative	1.9
Mung Bean	Bud Set	5.5
Mung Bean	Mid Flowering	6.5
NECTARINE		
Nectarine	Flowering	6.9
Nectarine	Shuck fall	7.2
Nectarine	Stone hardening	7.5
Nectarine	Fruit about 60% of final size	7.6
Nectarine	Fruit about 70% of final size	7.7
Nectarine	Fruit about 80% of final size	7.8
Nectarine	Harvest	8.9
NECTARINE FRUIT		
Nectarine Fruit	Fruit about 30% of final size	7.3
Nectarine Fruit	Stone Hardening (50% fruit size)	7.5
Nectarine Fruit	Fruit about 70% of final size.	7.7
OAT		
Oat	Seedling Growth	11-18
Oat	Tillering	21- 29
Oat	Stem elongation	30- 34
Oat	Booting	37- 49

<b>OLIVE</b>		
Olive	Shoots reach 30% of final size	3
Olive	Flower cluster developm. Starts	5.1
Olive	10% of flowers open	6.1
Olive	Fruit set	6.9
Olive	Fruit about 10% of final size	7.1
Olive	Beginning of fruit colour	8.1
Olive	Fruit analysis	Fruit
<b>ONION</b>		
Onion	1- leaf development	1.2
Onion	1- leaf development	1.3
Onion	1- leaf development	1.4
Onion	1- leaf development	1.5
Onion	1- leaf development	1.8
Onion	4-bulb development	4.1
Onion	4-bulb development	4.3
Onion	4-bulb development	4.5
Onion	4-bulb development	4.7
Onion	4-bulb development	4.x
<b>ORANGE</b>		
Orange	Vegetative (G.S. 2-4.9)	3
Orange	Inflorescence emerge	5
Orange	Flowering	6
Orange	End of Flowering	6.9
Orange	Fruit development	7.1
Orange	Fruit development	7.4
Orange	Fruit development	7.9
Orange	Fruit ripening	8.5
Orange	Fruit ripe - harvest ready	8.9
<b>PAPAYA</b>		
Papaya	Vegetative	1-3
Papaya	Flowering & Fruit set	5-7
Papaya	Harvest	8-9
<b>PARSELY</b>		
Parsley	Leaf Development	1.9
Parsley	Stem Elongation	3.3
Parsley	Bulking Up	4.5
Parsley	Harvest	4.9
<b>PASSIONFRUIT</b>		
Passionfruit	Early growth	4.9
Passionfruit	Fruit sizing	6.5
Passionfruit	Harvest	8.9
<b>PASTURE</b>		
Pasture	1.2 Vegetative	1
Pasture	1.2 Vegetative	2
Pasture	1.2 Vegetative	3
Pasture	1.2 Vegetative	4
<b>PASTURE LEGUMES</b>		
Pasture Legumes	1.2 Vegetative	1
Pasture Legumes	1.2 Vegetative	2
Pasture Legumes	1.2 Vegetative	3
Pasture Legumes	Flowering	4
<b>PEA</b>		
Pea	3 Visably extended internodes	3.3
Pea	6 Visibly extended internodes	3.6
Pea	Flower Budding	5-5.9
Pea	First flower buds visible outside leaves	6-6.9
<b>PEACH</b>		
Peach	7.2 Shuck fall	7.2
Peach	7.5 Stone hardening	7.5
Peach	7.6 Fruit about 60% of final size	7.6
Peach	7.7 Fruit about 70% of final size	7.7
Peach	7.8 Fruit about 80% of final size	7.8
Peach	8.9 Harvest	8.9
<b>PEAR</b>		
Pear	Inflorescence emergence	5.3
Pear	Flowering	6.9
Pear	Fruit development	7.1
Pear	Fruit development	7.3
Pear	Fruit development	7.4
Pear	Fruit ripening	8.1
Pear	Fruit ripening	8.7
Pear	Post-harvest	9.1
<b>PEAR FRUIT</b>		
Pear Fruit	Fruit size up to 20mm	7.2
Pear Fruit	Fruit size 40mm, T stage	7.4
Pear Fruit	Beginning of ripening	8.1
Pear Fruit	Advanced ripening	8.5
Pear Fruit	Fruit ripe for harvest	8.7
<b>PERENNIAL RYE GRASS</b>		
Perennial Rye Grass	Non-grazing	1
Perennial Rye Grass	Non-grazing	2
Perennial Rye Grass	Grazing	3
Perennial Rye Grass	Grazing	4



PERSIMMON		
Persimmon	Unknown	unknown
PHALARIS		
Phalaris	Non-grazing	1
Phalaris	Non-grazing	2
Phalaris	Grazing	3
Phalaris	Grazing	4
PINEAPPLE		
Pineapple	Vegetative	1-2
Pineapple	Generative (flowering, fruiting)	6-7
PISTACHIO		
Pistachio	Main shoot and leaf development	7
Pistachio	Nut hardening	7.7
Pistachio	Pre-harvest	8.5
PLUM		
Plum	Flowering, concurrent with leaf & shoot development	6
Plum	Shuck fall	7.2
Plum	Stone hardening	7.5
Plum	Fruit about 60% of final size	7.6
Plum	Fruit about 70% of final size	7.7
Plum	Fruit about 80% of final size	7.8
Plum	Fruit ripe for harvest	8.9
PLUM FRUIT		
Plum Fruit	Fruit about 30% of final size	7.3
Plum Fruit	Stone Hardening (50% fruit size)	7.5
Plum Fruit	Fruit about 70% of final size.	7.7
POMEGRANATE		
Pomegranate	Unknown	unknown
POPPY		
Poppy	Rosette	3.1
Poppy	Late running up	3.4
Poppy	Hook	5.3
Poppy	Early flowering	6.1
POTATO		
Potato - generic	1- Emergence	1.5
Potato - generic	1- Pre-tuber	1.7
Potato - generic	1- Begin of tuber initiation	1.8
Potato - generic	2- Tuber set	2.3
Potato - generic	2- Tuber set	2.7
Potato - generic	3- Tuber development	3.1
Potato - generic	3- Tuber development	3.3
Potato - generic	4- Early tuber bulking	4.1
Potato - generic	4- Early tuber bulking	4.2
Potato - generic	4- Early tuber bulking	4.3
Potato - generic	4- Mid tuber bulking	4.4
Potato - generic	4- Mid tuber bulking	4.5
Potato - generic	4- Mid tuber bulking	4.6
Potato - generic	4- Late tuber bulking	4.7
POTATO ATLANTIC		
Potato Atlantic	1- Emergence	1.5
Potato Atlantic	1- Pre-tuber	1.7
Potato Atlantic	1- Begin of tuber initiation	1.8
Potato Atlantic	2- Tuber set	2.3
Potato Atlantic	2- Tuber set	2.7
Potato Atlantic	3- Tuber development	3.1
Potato Atlantic	3- Tuber development	3.3
Potato Atlantic	4- Early tuber bulking	4.1
Potato Atlantic	4- Early tuber bulking	4.2
Potato Atlantic	4- Early tuber bulking	4.3
Potato Atlantic	4- Mid tuber bulking	4.4
Potato Atlantic	4- Mid tuber bulking	4.5
Potato Atlantic	4- Mid tuber bulking	4.6
Potato Atlantic	4- Late tuber bulking	4.7
POTATO DESIREE		
Potato Desiree	Beginning of Tuber Initiation	1.8
Potato Desiree	Tuber 2-2.5cm Diameter	3.3
Potato Desiree	Tuber 4-5cm Diameter	4.3
Potato Desiree	Tuber 6-7cm Diameter	4.5
Potato Desiree	Tuber 7-8cm Diameter	4.6
POTATO FL SERIES		
Potato FL Series	1- Emergence	1.5
Potato FL Series	1- Pre-tuber	1.7
Potato FL Series	1- Begin of tuber initiation	1.8
Potato FL Series	2- Tuber set	2.3 - 2.7
Potato FL Series	3- Tuber development	3.1
Potato FL Series	3- Tuber development	3.3
Potato FL Series	4- Early tuber bulking	4.1
Potato FL Series	4- Early tuber bulking	4.2
Potato FL Series	4- Early tuber bulking	4.3
Potato FL Series	4- Mid tuber bulking	4.4
Potato FL Series	4- Mid tuber bulking	4.5
Potato FL Series	4- Mid tuber bulking	4.6
Potato FL Series	4- Late tuber bulking	4.7
Potato FL Series	4- Late tuber bulking	4.8

<b>POTATO FRESH MARKET</b>		
Potato Fresh Market	Pre Tuber	1.7
Potato Fresh Market	Beginning of Tuber Initiation	1.8
Potato Fresh Market	Tuber Set	2.7
Potato Fresh Market	Tuber 1-2cm Diameter	3.1
Potato Fresh Market	Tuber 2-2.5cm Diameter	3.3
Potato Fresh Market	Tuber 3-4cm Diameter	4.1
Potato Fresh Market	Tuber 3-4cm Diameter	4.2
Potato Fresh Market	Tuber 4-5cm Diameter	4.3
Potato Fresh Market	Tuber 5-6cm Diameter	4.4
Potato Fresh Market	Tuber 6-7cm Diameter	4.5
Potato Fresh Market	Tuber 7-8cm Diameter	4.6
Potato Fresh Market	Late tuber bulking	4.7
<b>POTATO LADY CRYSTAL</b>		
POTATO LADY CRYSTAL	Pre Tuber	1.7
POTATO LADY CRYSTAL	Beginning of Tuber Initiation	1.8
POTATO LADY CRYSTAL	Tuber Set	2.7
POTATO LADY CRYSTAL	Tuber 1-2cm Diameter	3.1
POTATO LADY CRYSTAL	Tuber 2-2.5cm Diameter	3.3
POTATO LADY CRYSTAL	Tuber 3-4cm Diameter	4.1
POTATO LADY CRYSTAL	Tuber 3-4cm Diameter	4.2
POTATO LADY CRYSTAL	Tuber 4-5cm Diameter	4.3
POTATO LADY CRYSTAL	Tuber 5-6cm Diameter	4.4
POTATO LADY CRYSTAL	Tuber 6-7cm Diameter	4.5
POTATO LADY CRYSTAL	Tuber 7-8cm Diameter	4.6
POTATO LADY CRYSTAL	Late tuber bulking	4.7
<b>POTATO LAURA</b>		
POTATO LAURA	Pre Tuber	1.7
POTATO LAURA	Beginning of Tuber Initiation	1.8
POTATO LAURA	Tuber Set	2.7
POTATO LAURA	Tuber 1-2cm Diameter	3.1
POTATO LAURA	Tuber 2-2.5cm Diameter	3.3
POTATO LAURA	Tuber 3-4cm Diameter	4.1
POTATO LAURA	Tuber 3-4cm Diameter	4.2
POTATO LAURA	Tuber 4-5cm Diameter	4.3
POTATO LAURA	Tuber 5-6cm Diameter	4.4
POTATO LAURA	Tuber 6-7cm Diameter	4.5
POTATO LAURA	Tuber 7-8cm Diameter	4.6
POTATO LAURA	Late tuber bulking	4.7
<b>POTATO MC CAINS#1</b>		
Potato Mc Cains#1	1- Pre-tuber	1.7
Potato Mc Cains#1	1- Begin of tuber initiation	1.8
Potato Mc Cains#1	3- Tuber development	3.1
Potato Mc Cains#1	3- Tuber development	3.3
Potato Mc Cains#1	4- Early tuber bulking	4.1
Potato Mc Cains#1	4- Early tuber bulking	4.2
Potato Mc Cains#1	4- Early tuber bulking	4.3
Potato Mc Cains#1	4- Mid tuber bulking	4.4
Potato Mc Cains#1	4- Mid tuber bulking	4.5
Potato Mc Cains#1	4- Mid tuber bulking	4.6
Potato Mc Cains#1	4- Late tuber bulking	4.7
Potato Mc Cains#1	4- Late tuber bulking	4.8-4.9
<b>POTATO MELODY</b>		
POTATO MELODY	1- Emergence	1.5
POTATO MELODY	1- Pre-tuber	1.7
POTATO MELODY	1- Begin of tuber initiation	1.8
POTATO MELODY	2- Tuber set	2.3
POTATO MELODY	2- Tuber set	2.7
POTATO MELODY	3- Tuber development	3.1
POTATO MELODY	3- Tuber development	3.3
POTATO MELODY	4- Early tuber bulking	4.1
POTATO MELODY	4- Early tuber bulking	4.2
POTATO MELODY	4- Early tuber bulking	4.3
POTATO MELODY	4- Mid tuber bulking	4.4
POTATO MELODY	4- Mid tuber bulking	4.5
POTATO MELODY	4- Mid tuber bulking	4.6
POTATO MELODY	4- Late tuber bulking	4.7
<b>POTATO NADINE</b>		
Potato Nadine	1- Emergence	1.5
Potato Nadine	1- Pre-tuber	1.7
Potato Nadine	1- Begin of tuber initiation	1.8
Potato Nadine	2- Tuber set	2.3
Potato Nadine	2- Tuber set	2.7
Potato Nadine	3- Tuber development	3.1
Potato Nadine	3- Tuber development	3.3
Potato Nadine	4- Early tuber bulking	4.1
Potato Nadine	4- Early tuber bulking	4.2
Potato Nadine	4- Early tuber bulking	4.3
Potato Nadine		4.4
Potato Nadine	4- Mid tuber bulking	4.5
Potato Nadine	4- Mid tuber bulking	4.6
Potato Nadine	4- Late tuber bulking	4.8

<b>POTATO ORCHESTRA</b>		
POTATO ORCHESTRA	Pre Tuber	1.7
POTATO ORCHESTRA	Beginning of Tuber Initiation	1.8
POTATO ORCHESTRA	Tuber Set	2.7
POTATO ORCHESTRA	Tuber 1-2cm Diameter	3.1
POTATO ORCHESTRA	Tuber 2-2.5cm Diameter	3.3
POTATO ORCHESTRA	Tuber 3-4cm Diameter	4.1
POTATO ORCHESTRA	Tuber 3-4cm Diameter	4.2
POTATO ORCHESTRA	Tuber 4-5cm Diameter	4.3
POTATO ORCHESTRA	Tuber 5-6cm Diameter	4.4
POTATO ORCHESTRA	Tuber 6-7cm Diameter	4.5
POTATO ORCHESTRA	Tuber 7-8cm Diameter	4.6
POTATO ORCHESTRA	Late tuber bulking	4.7
<b>POTATO PIKE</b>		
Potato Pike	Tuber Formation / bulking	4.3
<b>POTATO RANGER RUSSET</b>		
Potato Ranger Russet	1- Pre-tuber	1.7
Potato Ranger Russet	1- Begin of tuber initiation	1.8
Potato Ranger Russet	2- Tuber set	2.1
Potato Ranger Russet	2- Tuber set	2.3
Potato Ranger Russet	3- Tuber development	3.1
Potato Ranger Russet	3- Tuber development	3.3
Potato Ranger Russet	4- Early tuber bulking	4.1
Potato Ranger Russet	4- Early tuber bulking	4.2
Potato Ranger Russet	4- Early tuber bulking	4.3
Potato Ranger Russet	4- Mid tuber bulking	4.4
Potato Ranger Russet	4- Mid tuber bulking	4.5
Potato Ranger Russet	4- Mid tuber bulking	4.6
Potato Ranger Russet	4- Late tuber bulking	4.7
Potato Ranger Russet	4- Late tuber bulking	4.8
Potato Ranger Russet	4- Late tuber bulking	4.9
<b>POTATO RODEO</b>		
POTATO RODEO	Pre Tuber	1.7
POTATO RODEO	Beginning of Tuber Initiation	1.8
POTATO RODEO	Tuber Set	2.7
POTATO RODEO	Tuber 1-2cm Diameter	3.1
POTATO RODEO	Tuber 2-2.5cm Diameter	3.3
POTATO RODEO	Tuber 3-4cm Diameter	4.1
POTATO RODEO	Tuber 3-4cm Diameter	4.2
POTATO RODEO	Tuber 4-5cm Diameter	4.3
POTATO RODEO	Tuber 5-6cm Diameter	4.4
POTATO RODEO	Tuber 6-7cm Diameter	4.5
POTATO RODEO	Tuber 7-8cm Diameter	4.6
POTATO RODEO	Late tuber bulking	4.7
<b>POTATO RUSSET BURBANK</b>		
Potato Russet Burbank	1- Pre-tuber	1.7
Potato Russet Burbank	1- Begin of tuber initiation	1.8
Potato Russet Burbank	2- Tuber set	2.1
Potato Russet Burbank	2- Tuber set	2.3
Potato Russet Burbank	3- Tuber development	3.1
Potato Russet Burbank	3- Tuber development	3.3
Potato Russet Burbank	4- Early tuber bulking	4.1
Potato Russet Burbank	4- Early tuber bulking	4.2
Potato Russet Burbank	4- Early tuber bulking	4.3
Potato Russet Burbank	4- Mid tuber bulking	4.4
Potato Russet Burbank	4- Mid tuber bulking	4.5
Potato Russet Burbank	4- Mid tuber bulking	4.6
Potato Russet Burbank	4- Late tuber bulking	4.7
Potato Russet Burbank	4- Late tuber bulking	4.8
Potato Russet Burbank	4- Late tuber bulking	4.9
<b>POTATO ROYAL BLUE</b>		
POTATO ROYAL BLUE	1- Pre-tuber	1.7
POTATO ROYAL BLUE	1- Begin of tuber initiation	1.8
POTATO ROYAL BLUE	2- Tuber set	2.7
POTATO ROYAL BLUE	3- Tuber development	3.1
POTATO ROYAL BLUE	3- Tuber development	3.3
POTATO ROYAL BLUE	4- Early tuber bulking	4.2
POTATO ROYAL BLUE	4- Early tuber bulking	4.3
POTATO ROYAL BLUE	4- Mid tuber bulking	4.4
POTATO ROYAL BLUE	4- Mid tuber bulking	4.5
POTATO ROYAL BLUE	4- Mid tuber bulking	4.6
POTATO ROYAL BLUE	4- Late tuber bulking	4.7
<b>POTATO SHEPODY</b>		
Potato Shepody	1- Emergence	1.5
Potato Shepody	1- Pre-tuber	1.7
Potato Shepody	1- Begin of tuber initiation	1.8
Potato Shepody	2- Tuber set	2.3
Potato Shepody	2- Tuber set	2.7
Potato Shepody	3- Tuber development	3.1
Potato Shepody	3- Tuber development	3.3
Potato Shepody	4- Early tuber bulking	4.1
Potato Shepody	4- Early tuber bulking	4.2
Potato Shepody	4- Early tuber bulking	4.3
Potato Shepody	4- Mid tuber bulking	4.4
Potato Shepody	4- Mid tuber bulking	4.5
Potato Shepody	4- Mid tuber bulking	4.6
Potato Shepody	4- Late tuber bulking	4.7

<b>POTATO SEBAGO</b>		
Potato Sebago	Pre Tuber	1.5 - 1.8
Potato Sebago	Tuber 1-2cm Diameter	3.1 - 3.3
Potato Sebago	Tuber 3-5cm Diameter	4.1 - 4.3
<b>POTATO SNOWDEN</b>		
POTATO SNOWDEN	1- Emergence	1.5
POTATO SNOWDEN	1- Pre-tuber	1.7
POTATO SNOWDEN	1- Begin of tuber initiation	1.8
POTATO SNOWDEN	2- Tuber set	2.3
POTATO SNOWDEN	2- Tuber set	2.7
POTATO SNOWDEN	3- Tuber development	3.1
POTATO SNOWDEN	3- Tuber development	3.3
POTATO SNOWDEN	4- Early tuber bulking	4.1
POTATO SNOWDEN	4- Early tuber bulking	4.2
POTATO SNOWDEN	4- Early tuber bulking	4.3
POTATO SNOWDEN	4- Mid tuber bulking	4.4
POTATO SNOWDEN	4- Mid tuber bulking	4.5
POTATO SNOWDEN	4- Mid tuber bulking	4.6
POTATO SNOWDEN	4- Late tuber bulking	4.7
<b>POTATO TOPCAT</b>		
POTATO TOPCAT	1- Emergence	1.5
POTATO TOPCAT	1- Pre-tuber	1.7
POTATO TOPCAT	1- Begin of tuber initiation	1.8
POTATO TOPCAT	2- Tuber set	2.3
POTATO TOPCAT	2- Tuber set	2.7
POTATO TOPCAT	3- Tuber development	3.1
POTATO TOPCAT	3- Tuber development	3.3
POTATO TOPCAT	4- Early tuber bulking	4.1
POTATO TOPCAT	4- Early tuber bulking	4.2
POTATO TOPCAT	4- Early tuber bulking	4.3
POTATO TOPCAT	4- Mid tuber bulking	4.4
POTATO TOPCAT	4- Mid tuber bulking	4.5
POTATO TOPCAT	4- Mid tuber bulking	4.6
POTATO TOPCAT	4- Late tuber bulking	4.7
<b>POTATO WARE &amp; CRISPING</b>		
Potato Ware & Crisping	1- Emergence	1.5
Potato Ware & Crisping	1- Pre-tuber	1.7
Potato Ware & Crisping	1- Begin of tuber initiation	1.8
Potato Ware & Crisping	2- Tuber set	2.3
Potato Ware & Crisping	2- Tuber set	2.7
Potato Ware & Crisping	3- Tuber development	3.1
Potato Ware & Crisping	3- Tuber development	3.3
Potato Ware & Crisping	4- Early tuber bulking	4.1
Potato Ware & Crisping	4- Early tuber bulking	4.2
Potato Ware & Crisping	4- Early tuber bulking	4.3
Potato Ware & Crisping	4- Mid tuber bulking	4.4
Potato Ware & Crisping	4- Mid tuber bulking	4.5
Potato Ware & Crisping	4- Mid tuber bulking	4.6
Potato Ware & Crisping	4- Late tuber bulking	4.7
<b>POTATO TUBER - GENERIC</b>		
Potato Tuber - Generic	At Harvest	8.9
<b>PUMPKIN</b>		
Pumpkin	Leaf development	1.0 - 1.5
Pumpkin	Formation of side shoots	2
Pumpkin	Inflorescence emergence	5
Pumpkin	Flowering	6
Pumpkin	Early fruit development	7.1
Pumpkin	Early-mid fruit development	7.3
Pumpkin	Mid fruit development	7.5
Pumpkin	Mid - late fruit development	7.7
Pumpkin	Ripening of fruit and seed	8
<b>PYRETHRUM</b>		
Pyrethrum	Unknown	Unknown
<b>RASPBERRY LONGCANE</b>		
Raspberry Longcane	Early veg growth (new canes 1-30 cm) (Sept)	3.1
Raspberry Longcane	Mid veg growth (new canes 31-60 cm) (earlyOct)	3.5
Raspberry Longcane	Late veg growth (laterals extending) (mid-lateOct)	4
Raspberry Longcane	Inflorescence emergence (lateOct)	5
Raspberry Longcane	First flowers (buds & open flowers) (Nov)	6.1
Raspberry Longcane	Fruit forming (none ripe) (earlyDec)	7.1
Raspberry Longcane	First Pick / early harvest (midDec)	8.2
Raspberry Longcane	Mid harvest (50% complete) (early-midJan)	8.5
Raspberry Longcane	Late Harvest (lateJan)	8.9
Raspberry Longcane	Post harvest (lateFeb)	9
<b>RASPBERRY PRIMOCANE</b>		
Raspberry Primocane	Early veg growth (1-30 cm) (early Oct)	3.2
Raspberry Primocane	Mid veg growth (31-60 cm) (late Oct)	3.5
Raspberry Primocane	Late veg growth (61-90 cm) (Nov)	3.8
Raspberry Primocane	Inflorescence emergence (early Dec)	5
Raspberry Primocane	First flowers (buds & open flowers) (mid Dec)	6.1
Raspberry Primocane	Fruit forming (none ripe) (Jan)	7.1
Raspberry Primocane	First Pick (late Jan-early Feb)	8.1
Raspberry Primocane	Harvest (early) (Feb)	8.3
Raspberry Primocane	Harvest (50% complete) (end Feb-early March)	8.5
Raspberry Primocane	Post harvest (April)	9

<b>RHUBARB</b>		
Rhubarb	Early Vegetative	1.3
Rhubarb	Mid Vegetative	1.5
Rhubarb	Late Vegetative	1.9
<b>ROCKET</b>		
Rocket	Early Vegetative Growth	WK 3
Rocket	Early Vegetative Growth	WK 4
Rocket	Mid Vegetative Growth	WK 5
Rocket	Mid Vegetative Growth	WK 6
Rocket	Mid-Late Vegetative Growth	WK 7-8
Rocket	LateVegetative Growth	WK 9
<b>ROCKMELON</b>		
Rockmelon	Min of 9 leaves	1
Rockmelon	Min of 19 leaves	1.9
Rockmelon	1st secondary side shoot visible	2
Rockmelon	1st flowers open on main stem	6
Rockmelon	1st fruit on main stem reached full size	7.1
Rockmelon	1st fruit on side shoot reached full size	7.8
Rockmelon	Preharvest	7.9
Rockmelon	Fully ripe fruit	8
<b>RYE</b>		
Rye	5 or more leaves	12-15
Rye	Tillering 21-29	21-29
Rye	Stem elongation 30-34	30-34
Rye	Booting 37-49	37-49
<b>RYE GRASS</b>		
Rye Grass	Non-grazing	1
Rye Grass	Non-grazing	2
Rye Grass	Grazing	3
Rye Grass	Grazing	4
<b>SILVERBEET</b>		
Silverbeet	Unknown	Unknown
<b>SORGHUM</b>		
Sorghum	Vegetative growth	1.3-1.5
Sorghum	Early reproductive growth	3.1-3.9
Sorghum	Booting	5.1-5.9
Sorghum	Flowering 30% bloom	6.1-6.9
<b>SOY BEAN</b>		
Soy Bean	Vegetative	1.5
Soy Bean	Vegetative	1.9
Soy Bean	Bud Set	5.5
Soy Bean	Mid Flowering	6.5
<b>SPINACH</b>		
Spinach	Early Vegetative Growth	WK 2
Spinach	Early Vegetative Growth	WK 4
Spinach	Mid Vegetative Growth	WK 5
Spinach	Mid Vegetative Growth	WK 6
Spinach	Late Vegetative Growth	WK 8
Spinach	Late Vegetative Growth	WK 9-10
<b>STRAWBERRY - ALBION</b>		
Strawberry - Albion	More than 9 leaves	1.9
Strawberry - Albion	Trusses emerge	5.5
Strawberry - Albion	50% bloom	6.5
Strawberry - Albion	Full bloom	6.7
Strawberry - Albion	90% Petal fall	6.9
Strawberry - Albion	Seeds visible	7.3
Strawberry - Albion	First colour	8.1
Strawberry - Albion	First fruit full colour	8.5
Strawberry - Albion	Main harvest	8.9
<b>STRAWBERRY - AMESTI</b>		
STRAWBERRY - AMESTI	50% bloom	6.5
STRAWBERRY - AMESTI	Seeds visible	7.3
STRAWBERRY - AMESTI	Thimble-size fruit on 1st bloom	7.5
STRAWBERRY - AMESTI	First colour	8.1
STRAWBERRY - AMESTI	First fruit full colour	8.5
STRAWBERRY - AMESTI	Main harvest	8.9
<b>STRAWBERRY - FESTIVAL</b>		
STRAWBERRY - FESTIVAL	More than 7 leaves	1.7
STRAWBERRY - FESTIVAL	More than 9 leaves	1.9
STRAWBERRY - FESTIVAL	Trusses emerge	5.5
STRAWBERRY - FESTIVAL	50% bloom	6.5
STRAWBERRY - FESTIVAL	Full bloom	6.7
STRAWBERRY - FESTIVAL	90% Petal fall	6.9
STRAWBERRY - FESTIVAL	Seeds visible	7.3
STRAWBERRY - FESTIVAL	First colour	8.1
STRAWBERRY - FESTIVAL	First fruit full colour	8.5
STRAWBERRY - FESTIVAL	Main harvest	8.9

<b>STRAWBERRY - NORTHERN</b>		
STRAWBERRY - NORTHERN	More than 9 leaves	1.9
STRAWBERRY - NORTHERN	Trusses emerge	5.5
STRAWBERRY - NORTHERN	50% bloom	6.1
STRAWBERRY - NORTHERN	Full bloom	6.5
STRAWBERRY - NORTHERN	90% Petal fall	6.9
STRAWBERRY - NORTHERN	Seeds visible	7.3
STRAWBERRY - NORTHERN	First colour	8.1
STRAWBERRY - NORTHERN	First fruit full colour	8.5
STRAWBERRY - NORTHERN	Main harvest	8.9
<b>STRAWBERRY - SOUTHERN</b>		
STRAWBERRY - SOUTHERN	More than 9 leaves	1.9
STRAWBERRY - SOUTHERN	Trusses emerge	5.5
STRAWBERRY - SOUTHERN	50% bloom	6.1
STRAWBERRY - SOUTHERN	Full bloom	6.5
STRAWBERRY - SOUTHERN	90% Petal fall	6.9
STRAWBERRY - SOUTHERN	Seeds visible	7.3
STRAWBERRY - SOUTHERN	First colour	8.1
STRAWBERRY - SOUTHERN	First fruit full colour	8.5
STRAWBERRY - SOUTHERN	Main harvest	8.9
<b>STRAWBERRY - GENERIC</b>		
Strawberry - Generic	More than 9 leaves	1.9
Strawberry - Generic	Trusses emerge	5.5
Strawberry - Generic	50% bloom	6.5
Strawberry - Generic	Full bloom	6.7
Strawberry - Generic	90% Petal fall	6.9
Strawberry - Generic	Seeds visible	7.3
Strawberry - Generic	First colour	8.1
Strawberry - Generic	First fruit full colour	8.5
Strawberry - Generic	Main harvest	8.9
<b>SUGAR CANE</b>		
SUGAR CANE	Beginning of tassel emergence	5.1
SUGAR CANE	tip of tassel emergence	5.3
SUGAR CANE	Inflorescence emergence	5.5
SUGAR CANE	eEnd of tassel emergence, separation	5.9
<b>SWEET CORN</b>		
Sweet corn	Leaf development	1.2-1.9
Sweet corn	Stem elongation - < 4 nodes	3.0-3.4
Sweet corn	Stem elongation - >4 nodes	3.5-3.9
Sweet corn	Tassel emergence	5.0-5.9
Sweet corn	Pollination	6.0-6.9
Sweet corn	Mid cob	7.1-7.5
Sweet corn	Mature cob	8.5-8.9
<b>TABLE GRAPE BERRIES - GENERIC</b>		
Table Grape Berries - Generic	Fruit Development - Pea Sized Berries	7.5
Table Grape Berries - Generic	Ripening of Berries- Verasion	7.8
Table Grape Berries - Generic	Softening of Berries	8.1
Table Grape Berries - Generic	Berries ripe for harvest	8.9
<b>TABLE GRAPE PETIOLE - GENERIC</b>		
Table Grape Petiole - Generic	Vegetative	1.5
Table Grape Petiole - Generic	Inflorescence swelling	5.5
Table Grape Petiole - Generic	80% Cap Fall	6.8
Table Grape Petiole - Generic	Pea Sized Berries	7.5
Table Grape Petiole - Generic	Bunch Closure	7.9
Table Grape Petiole - Generic	Veraison	8.1
Table Grape Petiole - Generic	Harvest Maturity	8.9
<b>TABLE GRAPE BLACK</b>		
Table Grape Black	Vegetative	1.5
Table Grape Black	Inflorescence swelling	5.5
Table Grape Black	80% Cap Fall	6.8
Table Grape Black	Pea Sized Berries	7.5
Table Grape Black	Bunch Closure	7.9
Table Grape Black	Veraison	8.1
Table Grape Black	Harvest Maturity	8.9
<b>TABLE GRAPE RED</b>		
Table Grape Red	Vegetative	1.5
Table Grape Red	Inflorescence swelling	5.5
Table Grape Red	80% Cap Fall	6.8
Table Grape Red	Pea Sized Berries	7.5
Table Grape Red	Bunch Closure	7.9
Table Grape Red	Veraison	8.1
Table Grape Red	Harvest Maturity	8.9
<b>TABLE GRAPE WHITE</b>		
Table Grape White	Vegetative	1.5
Table Grape White	Inflorescence swelling	5.5
Table Grape White	80% Cap Fall	6.8
Table Grape White	Pea Sized Berries	7.5
Table Grape White	Bunch Closure	7.9
Table Grape White	Veraison	8.1
Table Grape White	Harvest Maturity	8.9

TOMATO ENTICE		
Tomato Entice	Vegetative growth	2
Tomato Entice	Early Flowering	3.2
Tomato Entice	Mid Flowering	3.4
Tomato Entice	Late Flowering	3.6
Tomato Entice	Fruit set & growth	4.1
Tomato Entice	Fruit set & growth	4.3
Tomato Entice	Fruit set & growth	4.5
Tomato Entice	Fruit set & growth	4.7
Tomato Entice	Breaker	5.1
TOMATO FRESH MARKET		
Tomato Fresh market	Vegetative growth	2
Tomato Fresh market	Early Flowering	3.2
Tomato Fresh market	Mid Flowering	3.4
Tomato Fresh market	Late Flowering	3.6
Tomato Fresh market	Fruit set & growth	4.1
Tomato Fresh market	Fruit set & growth	4.3
Tomato Fresh market	Fruit set & growth	4.5
Tomato Fresh market	Fruit set & growth	4.7
Tomato Fresh market	Fruit set & growth	4.9
Tomato Fresh market	Breaker	5.1
TOMATO PINNACLE		
Tomato Pinnacle	Early Flowering	3.1
Tomato Pinnacle	Early fruit set & growth	4.1
Tomato Pinnacle	Early fruit set & growth	4.2
Tomato Pinnacle	Fruit set & growth	4.3
Tomato Pinnacle	Fruit set & growth	4.4
Tomato Pinnacle	Fruit set & growth	4.5
Tomato Pinnacle	Fruit set & growth	4.6
Tomato Pinnacle	Late fruit set & growth	4.7
Tomato Pinnacle	Late fruit set & growth	4.8
Tomato Pinnacle	Late fruit set & growth	4.9
Tomato Pinnacle	Breaker	5.1
Tomato Pinnacle	Fruit Ripening - maturity	6.1
Tomato Pinnacle	Harvest	7+
TOMATO PROCESSING		
Tomato Processing	Vegetative	2
Tomato Processing	Flowering	3.1
Tomato Processing	Flowering	3.3
Tomato Processing	Flowering	3.5
Tomato Processing	Fruit Set & Growth	4.1
Tomato Processing	Fruit Set & Growth	4.3
Tomato Processing	Fruit Set & Growth	4.5
Tomato Processing	Colouring (breaker)	5.2
TOMATO - GENERIC		
Tomato - Generic	Vegetative	2
Tomato - Generic	Flowering - early	3.1
Tomato - Generic	Flowering - mid	3.3
Tomato - Generic	Flowering - late	3.5
Tomato - Generic	Fruit Set & Growth	4.1
Tomato - Generic	Fruit Set & Growth	4.3
Tomato - Generic	Fruit Set & Growth	4.5
Tomato - Generic	Colouring (breaker)	5.2
TOMATO SYLVANIA		
Tomato Sylvania	Early fruit set & growth	4.1
Tomato Sylvania	Fruit set & growth	4.5
Tomato Sylvania	Late fruit set & growth	4.7
Tomato Sylvania	Breaker	5.1
TOMATO FRUIT - FRESH MARKET		
Tomato Fruit - Fresh Market	Unknown	Unknown
TOMATO FRUIT - PROCESSING		
Tomato Fruit - Processing	Unknown	Unknown
TRITICALE		
Triticale	Seedling Growth	11-18
Triticale	Tillering	20-29
Triticale	Stem Elongation	30-39
Triticale	Booting	40-49
Triticale	Inflorescence Emergence	50-59
TULIP		
Tulip	Establishment	1
Tulip	Early vegetative	1.1
Tulip	Late vegetative	1.3
Tulip	Mid bud development	5.5
Tulip	Mid flowering	6.5
Tulip	Daughter bulb sized up and white	8.3
Tulip	Daughter Bulb Sized up and 50% Coloured	8.4
Tulip	Bulbs Mature	8.5

<b>TURF</b>		
Turf	1. Vegetative	1
Turf	1. Vegetative	2
Turf	1. Vegetative	3
Turf	1. Vegetative	4
Turf	1. Vegetative	5
Turf	1. Vegetative	6
Turf	1. Vegetative	7
Turf	1. Vegetative	8
Turf	1. Vegetative	9
Turf	1. Vegetative	10
<b>VETCH</b>		
Vetch	Mid Vegetative	2.5
Vetch	Early Flowering	6.2
Vetch	Mid Flowering	6.5
Vetch	Pod Development	7.5
<b>WALNUT</b>		
Walnut	Oct: Inflorescence Emergence & Flowering	5&6
Walnut	Nov/Dec: Fruit Development	7
Walnut	Dec: Fruit Ripening	8
Walnut	Dec/Jan: Mature	8.9
<b>WATERMELON - GENERIC</b>		
Watermelon - Generic	Min of 15 leaves	1.5
Watermelon - Generic	Min of 19 leaves	1.9
Watermelon - Generic	1st secondary side shoot visible	2
Watermelon - Generic	Inflorescence Emergence - first flower initial with elongated ovary on main stem	5
Watermelon - Generic	Inflorescence Emergence - fifth flower initial with elongated ovary on main stem	5.5
Watermelon - Generic	Flowering: 1st flower open on main stem	6
Watermelon - Generic	Flowering: 5th flower open on main stem	6.5
Watermelon - Generic	Flowering: 7th flower open on main stem	6.7
Watermelon - Generic	Fruit Development	7
Watermelon - Generic	Fruit on main stem reached 10% size	7.1
Watermelon - Generic	Fruit on main stem reached 30% size	7.3
Watermelon - Generic	Fruit on main stem reached 50% size	7.5
Watermelon - Generic	1st fruit on side shoot reached size	7.9
Watermelon - Generic	First fully ripe fruit	8
Watermelon - Generic	Harvest	8.9
<b>WATERMELON - NIGHTSHADE</b>		
Watermelon - Nightshade	Minimum of 9 leaves	1
Watermelon - Nightshade	Minimum of 15 leaves	1.5
Watermelon - Nightshade	Minimum of 19 leaves	1.9
Watermelon - Nightshade	1st secondary side shoot visible	2
Watermelon - Nightshade	Inflorescence Emergence - first flower initial with elongated ovary on main stem	5
Watermelon - Nightshade	Flowering: 1st flower open on main stem	6
Watermelon - Nightshade	Fruit on main stem reached 10% size	7.1
Watermelon - Nightshade	Fruit on main stem reached 50% size	7.5
Watermelon - Nightshade	1st fruit on side shoot reached size	7.9
Watermelon - Nightshade	First fully ripe fruit	8
<b>WATERMELON - ROYAL ARMARDA</b>		
Watermelon - Royal Armarda	Minimum of 9 leaves	1
Watermelon - Royal Armarda	Minimum of 15 leaves	1.5
Watermelon - Royal Armarda	Minimum of 19 leaves	1.9
Watermelon - Royal Armarda	1st secondary side shoot visible	2
Watermelon - Royal Armarda	Inflorescence Emergence - first flower initial with elongated ovary on main stem	5
Watermelon - Royal Armarda	Flowering: 1st flower open on main stem	6
Watermelon - Royal Armarda	Fruit on main stem reached 10% size	7.1
Watermelon - Royal Armarda	1st fruit on side shoot reached size	7.9
Watermelon - Royal Armarda	First fully ripe fruit	8
<b>WATERMELON - SEEDLESS</b>		
WATERMELON - SEEDLESS	Minimum of 9 leaves	1
WATERMELON - SEEDLESS	Minimum of 15 leaves	1.5
WATERMELON - SEEDLESS	Minimum of 19 leaves	1.9
WATERMELON - SEEDLESS	1st secondary side shoot visible	2
WATERMELON - SEEDLESS	Inflorescence Emergence - first flower initial with elongated ovary on main stem	5
WATERMELON - SEEDLESS	Flowering: 1st flower open on main stem	6
WATERMELON - SEEDLESS	Fruit on main stem reached 10% size	7.1
WATERMELON - SEEDLESS	1st fruit on side shoot reached size	7.9
WATERMELON - SEEDLESS	First fully ripe fruit	8
<b>WHEAT</b>		
Wheat	Early vegetative growth	11-14
Wheat	Seedling Growth	15-18
Wheat	Tillering	20-29
Wheat	Stem Elongation	30-39
Wheat	Booting	41-49
Wheat	Inflorescence Emergence	51-59
Wheat	Anthesis	61-69
Wheat	Milk Development	71-77



ZUCCHINI		
Zucchini	Vegetative	1.5
Zucchini	Vegetative	1.9
Zucchini	Inflorescence emergence	5.5
Zucchini	Flowering	6.1-6.9
Zucchini	Fruit Set	7.1
Zucchini	Fruit Set	7.3
Zucchini	Fruit Growth	7.5

**USER NOTES:**

The crop names listed above (LHS column) need to match precisely the crop name stated in the Raw Data sheet of your NU-test report.
The growth stage number or text stated in the RHS column <b>must</b> be used as shown to generate guidelines and status levels on NU-test reports
If your NU-test report has not populated with Desirable Levels or Status comments, please check that <b>crop name</b> and <b>growth stage</b> information for your crop matches the information listed above.
If you have not supplied a growth stage on your sample information label, "unknown" may be the default entry. To remedy this, please chose an entry from the document above.