

PRICE  
50c

*Jan de Graaff*

OREGON BULB FARMS



GRESHAM  
OREGON  
USA

WHOLESALE ONLY

*American*  
*Property Of*  
*Daffodil Society, Inc.*

*Destiny*  
see page 19



# DAFFODILS

## *classification and description*

A complete list of the varieties grown and offered by Oregon Bulb Farms in the year 1957 and representing our choice from among the new hybrids raised in England, Ireland, Holland, New Zealand, Australia, as well as our own.



ALCIDA

- 9 **Actaea** (Lubbe)—The largest Poeticus in existence. Broad, snow-white perianth of great substance and good form; the very large eye is broadly margined with dark red. A most beautiful exhibition flower. A.M. (g) 1950. 3 for 75c
- 1c **Ada Finch** (de Graaff)—One of the earliest daffodils to flower. Pure white, overlapping perianth; large, finely shaped trumpet with deeply flanged and rolled rim. The immense flower is carried on a tall, stiff stem and the entire plant is beautifully proportioned. In contrast to many of the British white trumpet daffodils, Ada Finch is pure Ajax and represents the culmination of 50 years of breeding white trumpets. Immensely valuable for breeding as its good characteristics, earliness, size and purity of color are carried over into its seedlings. F.C.C.H. 1930. 3 for \$1.00
- 1a **Aerolite** (de Graaff)—Here is a golden daffodil that is replacing many of the older varieties; the large flower is beautifully proportioned, giving the impression of gracefulness, despite its size; perianth deep primrose, with a pure medium yellow trumpet which is left in bold relief by the broad pointed star formed by the flat opening outer petals, an inch and a half wide; medium early, but remains until late, is one of the longest lasting of all daffodils either in the garden or after being cut. 3 for 75c
- 2a **Alamein** (Rich.)—A lovely flower of the highest quality, with beautifully smooth, broad, flat, clear golden-yellow perianth segments, very slightly pointed at the tips, and a rather straight, well-frilled, medium sized cup of intense, deep, solid orange-red. Tall, strong-stemmed, vigorous plant. A.M. (e) 1945. each, \$2.00
- 1a **Alasnam** (de Graaff)—Wide, short, densely frilled trumpet of pure deep yellow, a shade deeper than the perianth; finely placed with good neck; flower "looks you in the eye"; excellent for landscape groups, also for forcing; very early and therefore in great demand by discriminating florists who want something earlier and better than King Alfred. 3 for 75c
- 4 **Albus Plenus Odoratus** (Poeticus flore pleno)—Snowy-white, sweet-scented, highly recommended, pure white double Poeticus. Flowers satisfactory only in cool, moist climate. 3 for 75c
- 3a **Alcida** (Backhouse)—Giant flower, creamy perianth opening flat, star-shaped, with individual petals over 1½ inches wide; broad citron-yellow cup with blood-orange frill; strong grower, fine substance and wonderfully free-flowering; very late. A.M.H. 1921. 3 for 75c
- 3c **April Showers** (Backhouse)—This is a lovely pure white, short-cupped daffodil with a large, broad perianth and a rather flat, expanded cup that opens lemon-yellow and bleaches to pure white. The attractive, large pure white flowers, carried on long stems, give distinction to the plant. We have used it extensively in our own garden in front of and between our rhododendron and azalea plantings. each, \$1.00
- 2b **Azalea** (O.B.F.)—A charming, late-season pink daffodil. The perianth is flat and well rounded, of good substance. The cup is quite flared, a deep pink with paler tints as the flower ages but with a more pronounced pink coloring in the rim. Foliage is broad, blue-green and erect. each, \$2.00

<b>KEY:</b>	Division 1 <b>Trumpet Daffodils</b>	Division 2 <b>Large-Cupped Daffodils</b>	Division 3 <b>Short-Cupped Daffodils</b>	Division 4 <b>Doubles</b>
	a) yellow	a) yellow, cup colored	a) yellow, cup colored	Division 5 <b>Triandrus Hybrids</b>
	b) bicolor	b) white, cup colored	b) white, cup colored	a) large-cupped
	c) white	c) white, cup white	c) white, cup white	b) short-cupped
	d) others	d) others	d) others	



CHEERFULNESS



FRANCISCA DRAKE

- 1c **Beersheba** (Engleheart)—A magnificent flower; large, perfectly flat perianth, trumpet long and beautifully flanged at mouth. A flower of great size, measuring nearly five inches across; a vigorous grower and a grand exhibition variety. F.C.C., R.H.S. 3 for \$1.25
- 2a **Benghazi** (Rich.)—A striking large flower, with rich bright yellow, rounded, flat perianth and a very large, almost flat crown, heavily banded bright orange-red shading to gold in the center. Tall, strong, very free grower. each, \$3.00
- 1a **Ben Hur** (de Graaff)—A glorious, "loud-speaker" trumpet, deeply frilled of pure Roman gold, 2½ inches across at the mouth. In spite of its immense size the whole flower is finely proportioned, one of the best of the new trumpets. A.M.H. 1930. 3 for 75c
- 6b **Beryl** (Williams)—A lovely little *Cyclamineus* hybrid bearing graceful drooping flowers with primrose-yellow, slightly reflexing perianth and small globular, bright orange cup shading to gold; ideal for the rock garden and pots; height 8 inches. A.M. 1936. 3 for 75c
- 2d **Binkie** (Tasmanian)—Rare new color break, the perianth being pronounced lemon-yellow, the large, flaring cup a pale lemon, bleaching to almost pure ivory. Good grower, attractive garden and show plant, highly recommended. A.M.H. 1950. each, \$2.00
- 1b **Bonington** (Radcliff)—Attractive bi-color trumpet, pure glistening white petals, cup deep canary-yellow. An entirely

different type of bi-color trumpet daffodil than Spring Glory. Good show flower. each, \$3.00

- 2a **Bounty** (O.B.F.)—A tall, very fine daffodil with a soft, yellow, broad-petaled perianth that is full and round and slightly cupped. The cup is orange with a darker rim, heavily ruffled and expanded to an almost flat inch and a half in diameter. each, \$4.00
- 3b **Bridegroom** (Brodie)—Large flower, creamy-perianth, yellow crown, narrow edging of orange, good substance, very late and of great value for exhibition and cutting. A.M.(e) 1929. each, \$1.00
- 3b **Brightwork** (O.B.F.)—A rather late colorful daffodil with a very full and substantial purest white, Poeticus-type perianth and a fluted and pleated cup, yellow in the throat and vermilion red at the rim. Narrow, deep green foliage that is quite erect. each, \$2.00
- 1c **Broughshane** (Wilson)—A glorious giant white Ajax of perfect form and balance. The trumpet is widely flanged, reflexed and frilled but does not overbalance the immense perianth, which is fully 5½ inches in diameter, the outer segments being up to 2¼ inches wide. The great flower, which is quite exceptionally durable, is carried on a strong stem well over two feet high, while the foliage measures as much as 1¾ inches in breadth. Plant of immense vigor. A.M.H. 1948. each, \$2.60
- 2b **Brunswick** (Williams)—Flower of good form, balance and proportion, well poised on a tall strong graceful stem. Well-modeled, flat, clean-cut, cold white perianth of very firm texture and a perfectly balanced crown that is nicely-flanged and frilled. Clear icy white in the base, gradually shading up to sharp very green lemon at brim. Extraordinary lasting power. F.C.C. 1939. each, \$1.20

- Division  
6 **Cyclamineus Hybrids**  
a) large-cupped  
b) short-cupped
- Division  
7 **Jonquilla Hybrids**  
a) large-cupped  
b) short-cupped

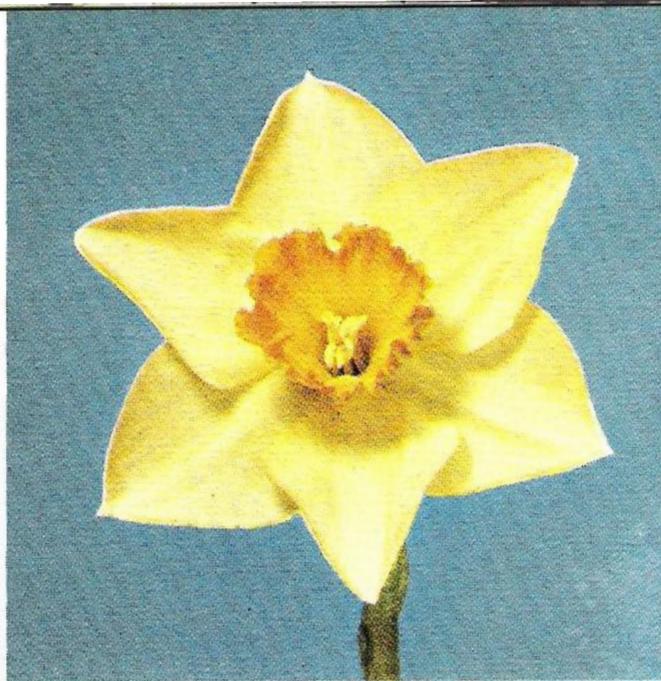
- Division  
8 **Tazetta** (Bunch-flowered)  
9 **Poeticus**  
10 **Species** and wild forms  
11 **All others**

- 10 **Bulbocodium Conspicuum**—The yellow Hoop Petticoat, flowers rich golden-yellow, of hoop-petticoat form and rush-like foliage. Height 6 inches. It blooms from the end of February to early in March, and prefers a sandy peat soil with a fair amount of moisture while in growth, but not in summer. No manure should be given. \$1.00 per dozen
- 2a **California Gold** (Barr)—Perianth very smooth and circular, of deepest gold; well-proportioned, deep, rich orange-red cup. Strong habit. Flowers short-necked and carried well above the foliage. In our opinion the very best of the many yellow-red flowers introduced in England. Holds its color well and should prove invaluable for breeding. each, \$2.00
- 10 **Camperelli Plenus**—The tall, double Camperelli Jonquil, a very charming variety, bearing on tall, graceful stem heads of fragrant double yellow flowers of elegant form, height 15 inches. It makes an attractive pot and border plant, and will bear gentle forcing. 3 for 75c
- 10 **Canaliculatus**—A dainty little Polyanthus Narcissus from Mentone, suitable for sunny situations in the rock garden; it has narrow, erect, bluish-green foliage and bears heads of three to four flowers with white perianth and globular golden cup, sweetly scented; height 6 inches. \$1.00 per dozen
- 2a **Carbineer** (A. M. Wilson)—A magnificent flower of splendid carriage and great substance. Broad, flat, golden-yellow perianth standing at right angles to the large, bright orange-red cup. F.C.C. 1938. 3 for 75c
- a **Carlton** (Williams)—A fine, clear, yellow self-color of great size. Flat, overlapping perianth and large, expanded crown frilled at brim, a magnificent plant of great vigor. F.C.C.(g) 1939. 3 for 85c
- 5a **Cathedral** (O.B.F.)—Short-stemmed, pure white *N. triandrus* hybrid with broad, bell-shaped cups and fully-rounded perianths. This lovely rock garden plant resembles Moonshine but is of far purer white. The foliage is blue-green; quite broad and erect. each, \$6.00
- 2b **C. E. Bailey** (Bailey-O.B.F.)—The finest of the many pink daffodils raised by the late C. E. Bailey of Portland, Oregon. The slightly wavy perianth is ivory-white; the cup is ivory-yellow on the outside and a rich cream-pink inside with a broad, heavily fringed rim of pure rose. The foliage is of medium width, blue-green and erect. A late-flowering daffodil of great charm. each, \$3.00
- 3b **Charmant** (de Graaff)—A well-rounded substantial flower carried on a tall, stiff stem. Perianth purest white, crown a bright scarlet-red. each, \$1.60
- 4 **Cheerfulness** (Van der Schoot)—The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. F.C.C. 1939, A.M. (e) 1926, A.M. (g) 1935. 3 for 75c
- 2a **Cheerio** (Brodie)—Fine, colorful garden variety. The broad, quite circular, soft yellow perianth has great substance. The widely expanded, frilled, bowl-shaped crown is a bright orange-red. Tall, vigorous and a good increaser. A.M. (g) 1941. each, \$1.00
- 3c **Chinese White** (Guy L. Wilson)—A very large flower of faultless form and quality; absolutely pure white throughout except for a faint touch of green in the eye; very broad, circular, satin-smooth perianth of great substance fully 4 1/4 inches in diameter. Perfectly proportioned, shallow-fluted saucer cup. A superb show flower and quite unique. This is the first really flat crowned Leedsii and should be extremely valuable for breeding. F.C.C. 1949. each, \$4.00
- 1b **Chula** (O.B.F.)—A very tall, well-poised, early bicolor daffodil that holds great promise as a show and forcing flower. The broad, flat perianth frames a well-proportioned fluted trumpet of a rich cream-yellow with slightly darker rim. Very resistant to sun and weather, it stood out among our trials as unusually long-lasting and vigorous. each, \$2.50
- 2b **Circus Clown** (O.B.F.)—A tall, mid-season, free-flowering plant with a pure white, substantial perianth that is slightly cupped forward. The cup is quite unusual in coloring and form, for it is striped white and orange and has a really double John Evelyn-type ruffle. It presents a gay and colorful picture in the garden. each, \$2.00
- 2b **Concerto** (O.B.F.)—Flat white perianth with pointed petals of good texture. The trumpet is ivory, nicely flanged and ruffled at the mouth. A fine, very early daffodil with large flowers of good poise. each, \$2.50
- 2b **Coralie** (Australian)—A very pretty, short-cupped, pink daffodil, sent to us by Alister Clark. The petals are pure white and rather pointed, the short cup is of a soft rose-pink color, flaring and frilled. Fine exhibition flower. each, \$3.00
- 1c **Corinth** (Brodie)—An immense flower, very stiff, fine broad flat white perianth, standing at right angles to the bold ivory trumpet. each, \$1.50
- 2b **Coverack Perfection** (Brodie) Calvert 1930, A.M. 1934—Broad, white perianth, with large, shallow saucer crown, edged and flushed with pale salmon-gold; striking. each, \$1.00
- 2b **Cover Girl** (O.B.F.)—A dainty daffodil with slightly waved, white perianth. The cup is colored an iridescent pink, darkest at the delicately fringed rim. Very late. each, \$3.00
- 2b **Daisy Schafer** (de Graaff)—The flower measures 4 1/2 inches across, with cup nearly 2 inches wide. Resembles a Giant Trumpet, but much more graceful in form; perianth pure white, with cup opening primrose and turning to light canary-yellow, deeper at the base; long, lemon-yellow stigma and styles add to the color harmony of this remarkable flower; undoubtedly a leader for years to come. F.C.C. 1933, Gold Medal 1935. 3 for \$1.25

<b>KEY:</b>	<i>Division</i>	<i>Division</i>	<i>Division</i>	<i>Division</i>
	1 <b>Trumpet Daffodils</b>	2 <b>Large-Cupped Daffodils</b>	3 <b>Short-Cupped Daffodils</b>	4 <b>Doubles</b>
	a) yellow	a) yellow, cup colored	a) yellow, cup colored	<i>Division</i>
	b) bicolor	b) white, cup colored	b) white, cup colored	5 <b>Triandrus Hybrids</b>
	c) white	c) white, cup white	c) white, cup white	a) large-cupped
d) others	d) others	d) others	b) short-cupped	

- 2a **Damson** (Williams)—A striking flower of very brilliant color and fine substance; broad, creamy-white perianth shaded yellow at base, long cup of an intense deep fuchsia-red. A.M.H. 1930. 3 for 75c
- 4 **DAPHNE** (Culpin)—The most promising novelty of this division, pure white, sweet scented, large double flowers, early forcer. F.C.C.H. 1929. 3 for 75c
- 2b **Daring** (O.B.F.)—A rather small, but deeply pink daffodil that has great charm. The perianth is white with pointed, slightly cupped petals. The trumpet opens a salmon shade but turns to deep pink with an even darker edge, which is slightly lacinated and ruffled. each, \$1.50
- 1a **Dawson City** (van Tubergen)—A fine garden variety of excellent quality and of value for exhibition. Broad, flat perianth of smooth substance, well-formed, flanged trumpet, of a self golden-yellow. A.M. (g) 1930. 3 for 75c
- 3a **Diana Kasner** (Backhouse)—A cream-yellow perianth and a large fluted yellow cup with blood-red frill, very free-flowering and an excellent forcer. 3 for 75c
- 2b **Dick Wellband** (Backhouse-de Graaff)—One of our finest introductions, very strong grower and exceptionally free-flowering. The perianth is pure white and the cup flame-orange. One of its most remarkable qualities is that the color does not fade but rather intensifies with age. The flower lasts unusually long. Its great beauty lies in the startling contrast between petals and cup which makes it stand out in the largest collection of daffodils. A.M.H. 1931. 3 for 75c
- 1a **Diotima** (de Graaff)—Considered by many experts as the very best of the new super-giant yellow trumpets; despite its huge size (perianth being five to six inches across) the whole flower is beautifully proportioned and is carried gracefully on flattened tapering stems, two feet tall, entirely free from the amaryllis-like stiffness of many of the giant trumpets; the broad overlapping petals form a star-shaped perianth of medium deep primrose, trumpet somewhat more deeply colored; undoubtedly one of the top-notchers for many years to come. 3 for \$1.00
- 2b **Duke of Windsor** (Uittenboogaard)—Broad, white, overlapping perianth and large, short and flaring yellow cup. We have only a small stock of this variety and cannot quote it competitively. each, 75c
- 2b **E. H. Wilson** (de Graaff)—Of most lovely form and perfect texture, broad, overlapping, pure white perianth but distinctly star-shaped as petals are nicely pointed. Crown light yellow but passing to ivory, shallow and fluted at margin. A fine, tall garden plant of unusual substance and great merit. The flowers last unusually well. A.M. 1936. 3 for 75c
- 6a **February Gold** (de Graaff) A.M. 1928—An extremely early blooming, small golden daffodil. The perianth is rather star-shaped, the nicely-fluted, straight trumpet is tinged with orange. A hybrid between *N. cyclamineus* and a trumpet daffodil, it has retained all the earliness of its parents and forces extremely well. Start a few bulbs in pebbles and water in November, keep bowls or pans in a dark, cool place for three weeks and then bring into light. Or, plant from three to six bulbs in a pot in October and keep pot in a cool, dark place, watering as needed. They will easily bloom by Christmas. 3 for 90c
- 3c **Firetail** (Crosfield)—Deservedly popular the world over; broad petaled, creamy-white perianth and small flat cup of deepest scarlet crimson. F.C.C.H. 1925. 3 for 75c
- 2a **Fortune** (Ware)—Broad, creamy yellow perianth of very solid texture, crown of great size and elegant form, opening at mouth and beautifully frilled, of a glowing soft orange, perfect form; early, a strong grower. One of the most popular varieties. F.C.C. 1924. 3 for 75c
- 2a **Fortune's Bowl** (Brodie) Calvert—A good yellow perianth and deep red cup. The finest of the Fortune seedlings. A.M. (m) 1940. 3 for \$1.00
- 2a **Fortune's Crest** (Brodie)—Good yellow perianth and deepest solid red cup of any flower yet raised from Fortune. A.M. (e) 1931. each, \$1.25
- 5a **Forty-Niner** (O.B.F.)—A rather early, very short *N. triandrus* hybrid with pale, sulphur-yellow flowers. The cup is long and bell-shaped, nicely fluted. As many as four flowers per stem. The narrow foliage is deep green and lax, a good grower and most attractive little plant for the rock garden. each, \$4.00
- 2b **Francisca Drake** (Backhouse)—Unusual flower of a distinct type; the pure white perianth petals are of unusual substance, an inch and a half wide, and tinted gold at the base, which shows through on the outside; the cup, wide and deep, is golden-yellow at the base, changing gradually to flame-orange at the densely frilled edge; the flowers are held well above the foliage. Strong-growing and very free-flowering. A.M. 1926. 3 for 75c
- 2a **Galway** (Rich.) F.C.C. (e) 1948—A glorious tall, strong-stemmed, intense self-golden flower, bordering on true trumpet daffodil proportions; broad smooth perianth, well-flanged trumpet crown. Splendid size, build, proportion, stature and color; a magnificent garden plant and a grand show flower. each, \$4.00
- 3b **Garden Officer** (Lefeb.)—An attractive short-cupped daffodil which stands out for its perfect form and habit. One of the rare short-cupped daffodils that really looks up. The perianth is of a soft ivory, the cup which is nicely frilled has a yellow center and a narrow red edge. A flower that merits your attention. 3 for \$1.25

<i>Division</i>	<i>Division</i>
6 <b>Cyclamineus Hybrids</b>	8 <b>Tazetta</b> (Bunch-flowered)
a) large-cupped	9 <b>Poeticus</b>
b) short-cupped	10 <b>Species</b> and wild forms
<i>Division</i>	11 <b>All others</b>
7 <b>Jonquilla Hybrids</b>	
a) large-cupped	
b) short-cupped	



DAMSON



E. H. WILSON



MOONSHINE

- 8 **Geranium** (v.d.S.) A.M.H.—One of the Dutch Tazetta Hybrids with from five to seven large flowers per stem. The petals are rounded and overlap; the short, flat red crown is orange-red. A good variety for late forcing in pots and pans but equally outstanding in the garden. 3 for 75c
- 2c **Gertie Millar** (de Graaff)—Wonderful flower of new type with pure white perianth and beautifully proportioned, pale primrose cup, deeply fluted and frilled and of translucent texture; unusually long pistils and anthers match these colors perfectly; a most handsome flower. A.M.H. 1930. 3 for 90c
- 1a **Golden Harvest** (Warnaar)—One of the larger trumpet varieties. The perianth is well formed and overlapping; the trumpet is of good shape and proportion, rolled back at the brim. The color is deep golden-yellow. Opens before King Alfred. E.F.H.A. 1928. 3 for \$1.00
- 7c **Golden Perfection** (de Graaff)—A perfect perianth with wide overlapping segments, deep citron-yellow with mica sheen and cup of pure gold perfectly proportioned to balance of flower; calyx grey-green flecked with gold; unique in its class. F.C.C. 1926. 3 for 75c
- 1a **Grapefruit** (Lubbe)—One of the outstanding new daffodils of novel coloring. The large, well proportioned flower is of a cool, uniform, lemon-green color, bleaching to almost true ivory with age. Has unusual lasting power, and while it opens early, it will stay in good condition for weeks. We have found that the plant grows best when left undisturbed for two or three years. F.C.C.H. 1944. each, \$2.60
- 2b **Green Island** (Rich.)—A sensational flower of very large size, great substance and waxy smooth texture. Smooth, rounded white segments of such immense width that they form an almost complete circle. Well proportioned, shallow, bowl-shaped, frilled cup, greenish white at base, inside of clear, cool, greenish lemon at the margin. Short-necked on a tall, long stem. Plant of great vigor. each, \$6.00
- 2b **Gremlin** (O.B.F.)—A late, attractive, little plant with white, star-shaped perianth and cylindrical, small, fluted and slightly fringed cup, opening yellow, then turning to buff and finally developing an attractive, strongly rose-colored rim. each \$2.25
- 2b **Hades** (Backhouse) A flower of wonderful color; large, creamy-white perianth of excellent substance, large expanded crown of a real deep cherry-red, height 24 inches; a very strong, vigorous variety which holds its color exceptionally well. A.M. (e) 1928. 3 for 90c
- 1c **Halfa** (Brodie)—A most beautiful bicolor daffodil of high quality. Broad, perfectly flat, even and overlapping perianth of great substance and smooth, symmetrical, soft yellow trumpet, evenly rolled back at mouth. Tall, strong grower, early. 3 for \$1.50
- 1a **Halloween** (O.B.F.)—An extremely early yellow trumpet daffodil of merit. The broad, flaring trumpet is of a rich, deep yellow color; the slightly paler perianth is well-rounded and quite smooth. Fine substance, tall and large. each, \$5.00
- 1c **High Sierra** (O.B.F.)—The earliest white trumpet daffodil of all we grow. Tall and large, it has an ivory-white perianth of good substance and a pale ivory trumpet with a large flare to it that is most attractively proportioned. Stands up well in rough weather; the foliage is broad, deep blue-green and erect—an improved ADA FINCH. each, \$2.25
- 1a **Hunter's Moon** (Brodie)—A perfectly lovely trumpet arrayed in graded tints of clear, shining, luminous lemon, perhaps most intense at the outer edge of the beautifully flanged and serrated trumpet and paler at the edge of the petals. Grand flower for cutting. Vigorous and free blooming; durable and a beautiful garden plant. A.M. 1943. each, \$2.00
- 1b **Indiscreet** (O.B.F.)—A mid-season pink trumpet daffodil. The perianth is white, slightly waved and semi-rounded. The trumpet is a startling lingerie-pink and the rim is nicely fringed. Small but of remarkable intensity of color. each, \$6.00
- 4 **Inglescombe** (Walker)—Nice, pure yellow, fully double that might be called a yellow "The Pearl." A.M. (market variety) 1931. 3 for 75c
- 4 **Irene Copeland** (Copeland)—Large, full, double snow-white flowers with primrose markings; a lovely and distinct variety with strong, rigid stems. A.M. 1925. 3 for 75c

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d) others	d) others	d) others	b) short-cupped	



NETTE O'MELVENY



ROYAL SOVEREIGN



TEXAS

- 2b **John Evelyn** (Copeland)—Deservedly an international favorite; flatly-opening perianth, 4 to 5 inches across, with a flat densely frilled cup nearly 2 inches in diameter; the perianth being pure white, without a trace of shading, and the cup lemon-yellow and fluted or shirred to the base; free-flowering. F.C.C. 1924. 3 for \$1.00
- 10 **Jonquilla Simplex**—The true single, sweet jonquil, of light elegant growth, bearing out of doors in May charming clusters of numerous small, rich yellow flowers of delicious scent. \$1.00 per dozen
- 1a **Kandahar** (Brodie)—A gorgeous and most striking giant trumpet of immense size, great substance, and pure, deep, solid, self-gold color; immense vase-shaped trumpet and widespread perianth; very tall and strong. 3 for \$1.50
- 1a **King Alfred** (Kendall)—The most popular daffodil in the world and one that even today holds its own against all comers in every flower market. Because of its large size, its golden-yellow color and its informal, pleasing shape it has become the universal favorite. F.C.C. 1899. 3 for 75c
- 8 **Klondike** (Van der Schoot)—Rich yellow perianth, darker cup, one of the finest yellows in its class. 3 for 75c
- 2a **Krakatoa** (Rich.)—Probably the finest new daffodil introduced since Fortune, which was one of its parents, appeared twenty-five years ago. On the few occasions that it has been exhibited it has created a sensation. An immense flower with broad, overlapping, deep golden-yellow perianth of fine substance and quality; the very widely-expanded cup is bright, flaming orange-red, beautifully flanged at the mouth. Flowers are short-necked, well posed on strong, stiff stems; fine robust plant; flowers and increases very freely. F.C.C. 1943. each, \$2.50
- 3b **Lady Kesteven** (Backhouse-de Graaff)—One of the very finest red-cups introduced by us. The perianth is pure white, well formed and substantial, the cup is of the very deepest red ever seen in a daffodil. We are proud to introduce this beautiful daffodil and believe that this is one of the most promising for hybridizing purposes. A.M.H. 1931. 3 for \$1.25
- 3b **Limerick** (Richardson)—A very lovely flower. The broad, flat perianth is pure white and the large, absolutely flat eye is intense dark cherry-red. A wonderful contrast in colors, one of the best we have seen. Very late. each, \$2.50
- 8 **L'Innocence** (v.Z.)—A very free-flowering, new Poetaz of merit for early forcing. The perianths are well-rounded and the cups a soft orange-red. This is one of the newer varieties that are now replacing Laurens Koster. 3 for 75c
- 2b **Lovenest** (Backhouse)—One of the older members of the "pink daffodil" class; among the daintiest of all the trumpets; medium in height with a starry-shaped perianth of informal type; nicely proportioned trumpet of saffron-yellow turning to apricot-pink; delightful at all stages; very early. A.M. 1925. 3 for 75c
- 2b **Mabel Taylor** (Clark)—A tall, midseason pink with the shape and proportions of Tunis. Large flowers, well balanced on tall, stiff stems. Perianth is cream-colored, the cup large and expanded, soft yellow with a broad, rose-pink band which is nicely frilled. A most valuable daffodil for breeding as it has many good qualities and seems well adapted to our climate. each, \$3.00
- 3b **Magic Fire** (de Graaff-O.B.F.)—Striking flower of exceptional substance. Pure white, well overlapping and broad perianth; small cup with fiery red rim. One of the finest show flowers we have raised. 3 for 75c
- 1b **Magic Pink** (O.B.F.)—One of our very best late pinks. The perianth is white, well-pointed and substantial. The trumpet is long and heavily frilled at the mouth, pink-blush throughout the trumpet with a rose band blended in at the mouth. As the flower develops an effervescent blending of pink colors lights up the interior of the trumpet. The foliage is broad and of a deep, blue-green color. each, \$4.00
- 4 **Mary Copeland** (Copeland)—One of the famous varieties of the new double type, this variety has been termed the most striking double in cultivation; the longer petals are pure cream-white with a golden ray down the center, interspersed with shorter petals of lemon and brilliant orange, giving a three-color effect; unsurpassed for the garden or the show bench. F.C.C. 1926. 3 for 90c
- 3b **Matapan** (Richardson)—A lovely, quality show flower of medium size, with flat, very round, beautifully smooth, purest white perianth and a flat crown of intense crimson. Very early for this type of flower. Best flower Competitive Classes. R.H.S. in 1941. each, \$3.00

Division

- 6 **Cyclamineus Hybrids**  
a) large-cupped  
b) short-cupped

Division

- 7 **Jonquilla Hybrids**  
a) large-cupped  
b) short-cupped

Division

- 8 **Tazetta** (Bunch-flowered)  
9 **Poeticus**  
10 **Species** and wild forms  
11 **All others**

- 1a **Moonglow** (O.B.F.)—One of our unusually attractive, uniformly sulphur-yellow colored trumpet daffodils. Good form and substance. As the flower develops the trumpet turns a pale ivory except at the rim which is lacinated and ruffled. each, \$3.00
- 5a **Moonshine** (de Graaff)—A beautiful *N. triandrus* hybrid, star-shaped, creamy-white flower; often 3 to a stem; drooping gracefully, very beautiful and a great favorite, especially for the rock garden or for naturalizing in the shade. A.M. 1930. 3 for 75c
- 1c **Moray** (Brodie)—A large, pure white daffodil of great substance. The perianth is rather star-shaped, the cup or trumpet is long and well-shaped. each, \$6.00
- 1c **Mount Hood** (v. Deurs.)—Pure ivory-white, overlapping perianth with large, creamy-white trumpet, heavily flanged and imbricated at mouth, changing to pure white when fully in bloom. A.M.H. 1937. 3 for \$1.40
- 1c **Mount Whitney** (O.B.F.)—A tall, late, white trumpet daffodil. The very broad and full perianth is slightly waved; the trumpet opens ivory but quickly develops into a pure white. Irregular ruffles at the mouth. Foliage is wide, blue-green and erect. Very nice and impressive. each, \$4.00
- 1c **Mrs. E. H. Krelage** (Krelage)—Really a pale bicolor, but changing to a uniform ivory-white. Smooth, waxy texture and good form. F.C.C. 1939. 3 for 90c
- 3b **Mrs. Nette O'Melveny** (Backhouse)—A dancing daffodil with pure white perianth and cup of clear lemon-yellow, with orange picotee; splendid foliage, tall, graceful stem and good neck; in every way a delightful flower and immensely popular. 3 for 75c
- 1c **Mrs. R. O. Backhouse** (Backhouse)—This is the famous "pink daffodil"; fine informal perianth of ivory-white, and beautifully proportioned, slim, long trumpet, apricot-pink, changing to shell pink at the deeply fringed edge; delicately beautiful but of exceptional substance; long lasting; early; belongs in every collection. A.M. 1923. 3 for \$1.00
- 2b **Nova Scotia** (Backhouse) A.M.H.—Very large, flat, golden-yellow cup with heavily fringed deep orange margin, perianth creamy white. 3 for 75c
- 2b **Peaches and Cream** (O.B.F.)—A very free-flowering, attractive plant. The perianth is flat, white, well-pointed and of good substance. The cup is small but with a slight flare to it. Pale peach with deeper peach-pink ruffles. The foliage is tall, heavy and deep green. Short neck and good form make this a fine garden plant. each, \$3.00
- 1a **Peer Gynt** (O.B.F.)—A tall, large flower with a pale, sulphur-yellow perianth. The medium yellow trumpet fades to match the perianth. Flowers unusually long lasting and durable. We can perhaps best describe this as a fine, lemon-yellow King Alfred, a clean and gay plant. each, \$3.00
- 4 **Pink Cloud** (O.B.F.)—The first of the pink doubles, this is a rather short, well-formed flower with loosely arranged mixed apricot-pink and white petals. We know that this is not going to be a world-famous variety but it has charm and seems to grow well. each, \$6.00
- 2b **Pink Diamond** (O.B.F.)—Outstanding among all our pink seedlings for its clean, gay appearance. The perianth is waved, well rounded, ivory-white of good substance; the trumpet opens a pale yellow with a heavily frilled and folded broad rim of pure pink. Medium-wide, blue-green foliage. Grows well and looks up. A fine novelty. each, \$5.00
- 2b **Polar Star** (O.B.F.)—A late, tall, very pretty and gay flower. The perianth is white, star-shaped, flat and substantial. The trumpet is of the TUNIS type, opens yellow and develops to white with a golden rim. The foliage is heavy, blue-green and erect. This is a good grower and a fine show daffodil. each, \$2.00
- 2b **Promisso** (Alister Clark)—Very tall, well proportioned, the earliest good pink daffodil to flower with us. each, \$3.00
- 1b **Queen of Bicolors** (Dutch)—Large, bold golden-yellow trumpet; perianth creamy-white, stained yellow at base. 3 for 90c
- 10 **Recurvus** (Old Pheasant's Eye)—Perianth pure white and reflexing eye margined deep orange-red, very fragrant; a favorite old variety. 3 for 75c
- 2b **Red Bird** (de Graaff) F.C.C. 1938—Leading variety among recent introductions, the well-rounded, overlapping petals are of a fine, white, solid texture in sharp contrast to the fiery orange-scarlet cup. 3 for 90c
- 4 **Riotous** (O.B.F.)—An early, tall and very large semi-double of good form. The darker yellow center is interspersed with petals of the sulphur-yellow perianth color. Short neck and good carriage. The foliage is wide, blue-green and erect. A fine double daffodil. Each, \$2.00
- 2b **Roman Candle** (O.B.F.)—A grand pink daffodil with a well-rounded white perianth that cups slightly forward. The trumpet is broad and fully flared and ruffled. Opens apricot-pink but intensifies as the flower develops to a uniform rich pink, fading at the very last to a soft shell pink. Broad, erect, deep blue-green foliage. Tall and vigorous, this is one of the best in our trials. each, \$4.00
- 2a **Rossmore** (Rich.)—A very bright, early flower; smooth, flat, rounded, bright yellow perianth and a goblet-shaped cup of intense, deep orange-red. each, \$2.00
- 2a **Rouge** (Wil., G.L.)—A striking, novel and distinct "break" in narcissus coloring; the widespread perianth is yellow overlaid with pinkish buff tones. The expanding cup is of a deep,

<b>KEY:</b>	<i>Division</i>	<i>Division</i>	<i>Division</i>	<i>Division</i>
	1 <b>Trumpet Daffodils</b>	2 <b>Large-Cupped Daffodils</b>	3 <b>Short-Cupped Daffodils</b>	4 <b>Doubles</b>
	a) yellow	a) yellow, cup colored	a) yellow, cup colored	<i>Division</i>
	b) bicolor	b) white, cup colored	b) white, cup colored	5 <b>Triandrus Hybrids</b>
	c) white	c) white, cup white	c) white, cup white	a) large-cupped
d) others	d) others	d) others	b) short-cupped	

rather brilliant orange-red. This variety invariably elicits much comment at shows and since it is early, vigorous and blooms and increases freely it may well be a good market flower of the future. 3 for \$1.50

1c **Roxane** (van Tub.)—A large, creamy-white trumpet with round, overlapping, pure white perianth. A.M.H. 1926, F.C.C.H. 1930. 3 for \$1.00

4 **Royal Sovereign** (Copeland)—Valuable addition to the semi-doubles; most graceful of all in form, and the most charming in coloring; creamy-white, interspersed with crinkled and frilled trumpet petals of primrose-yellow, shading to pale primrose as the flower develops; a daffodil appealing to every flower lover's fancy. A.M. (e) 1914. 3 for 75c

2a **Rustom Pasha** (Miss Evelyn)—A large flower with most intense color, absolutely sunproof. The large perianth is deep golden-yellow, and the rather long crown, deepest, solid orange-red. F.C.C. R.H.S. 1954. 3 for \$1.25

2a **St. Egwin** (P. D. Williams)—A magnificent yellow of great quality, with unusually round, overlapping, smooth perianth and a rather straight crown, nicely serrated at the mouth. F.C.C. 1936. 3 for \$1.25

2a **Scarlet Elegance** (Will., P.D.)—A really graceful, rather informal daffodil with pointed, slightly-twisted, golden-yellow petals and a vivid orange-red, expanded and fluted cup. By no means a show flower of classical proportions, it is just the same a handsome daffodil for cutting and a good garden plant. F.A.H. 1939. 3 for 75c

2a **Scarlet Leader** (de Graaff)—One of the most sensational flowers of recent years. Vivid red, well-expanded cup and pure white, overlapping perianth. Excellent show flower; good sturdy plant. F.C.C.H. 1938. 3 for \$1.00

5b **Silver Chimes** (Martin)—One of the prettiest of the small-cupped *N. triandrus* hybrids, being a cross of *N. triandrus calathinus* and Polyanthus Grand Monarque; frequently produces heads of six or more flowers with pure white perianth and delicate pale primrose cup; an ideal and most beautiful plant to grow in pots in a cool greenhouse. A.M. 1922. Round bulbs only. 3 for \$1.00

2b **Silver Star** (Backhouse)—Perfect, broad-petaled, star-shaped perianth of pure cream-white, with finely-proportioned, wide-mouthed trumpet of primrose, changing to cream-white, just a shade deeper than the perianth; extra fine, and free flowering, very fragrant. 3 for 75c

2b **South Pacific** (O.B.F.)—An extremely early and good daffodil. The perianth is a perfect star and has great substance; the cup, of the SILVER STAR type is a soft, even yellow. Among great competition this one stood out with distinction; we recommend it. each, \$2.00

5b **Stoke** (P. D. Williams)—A lovely, pale yellow *N. triandrus* hybrid that can best be described as a sulphur-yellow Thalia. We consider Stoke one of the finest garden daffodils; it naturalizes readily and is an exceptionally graceful flower for spring flower arrangements. 3 for \$1.50

1a **Successor** (de Graaff)—A very late, deep golden-yellow daffodil with good texture. Exceptional for late forcing in pans or for garden use where its late flowering is an added attraction. 3 for 75c

4 **Sunburst** (O.B.F.)—A very tall, very large and very vigorous double. This really huge, peony-type flower is well poised on its very tall stem and yet will stand rain and wind well. The pale sulphur-yellow guard petals have a center of darkest, richest, yellow and sulphur petals intermingled. The foliage, too, is large, blue-green and very erect. Undoubtedly the largest double yet raised. each, \$6.00

4 **Swansdown** (Brodie)—The most striking novelty in this group. A very beautiful double with large, milk-white flowers of fine substance. The petals are exceptionally broad and form a perfect saucer as a background for the white feathery-looking inner petals. Carried on a stiff stem and short necked. This flower will doubtless have a great market value. P.C. (e) 1940. each, \$3.50

2b **Sweet Talk** (O.B.F.)—A tall, very late, pink daffodil. The pure white perianth is of good form and substantial; the cup is a pure white with a dark pink, crisply-fluted edge. A magnificent show flower and ideal for flower arrangements. each, \$4.00

4 **Texas** (Backhouse)—Taller growing and of better form than Twink; pale yellow interspersed with brilliant orange. F.C.F.A.H. 1938. 3 for 90c

5a **Thalia** (van Waveren)—Two or three lovely pure white flowers per stem, 2 inches or more across, making a beautiful cluster. Very suitable for the rock garden or for forcing. 3 for 75c

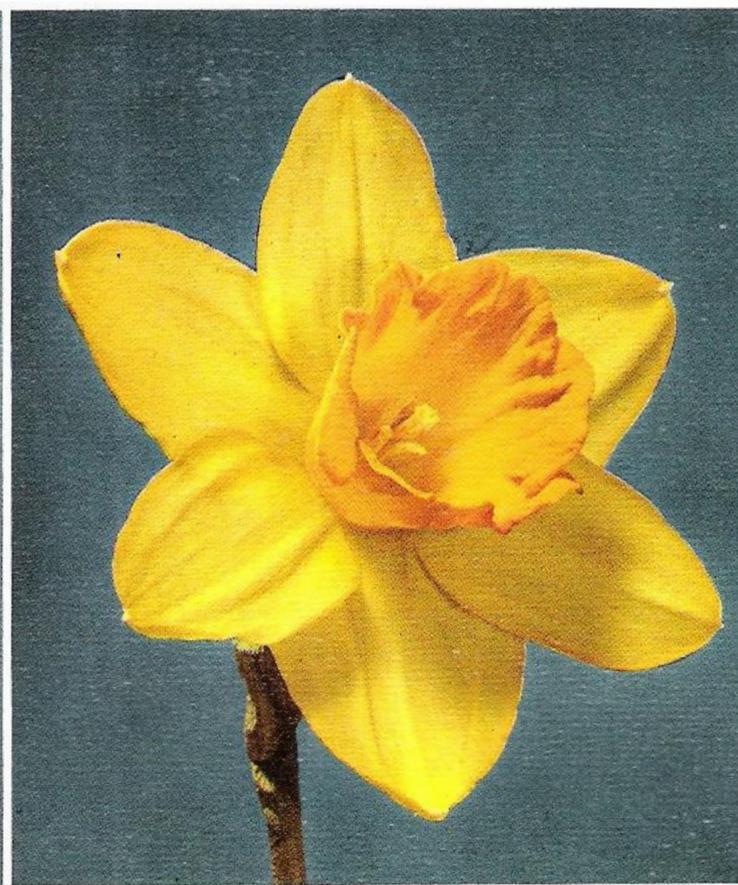
3b **Tonto** (O.B.F.)—A Poeticus-white perianth that is smooth and rounded and a fiery orange-red vermillion, very heavily frilled and fringed cup make this an outstanding show daffodil. Broad foliage and a vigorous grower. We recommend this one. each, \$3.50

7b **Trevithian** (Williams)—The best of the short-crowned hybrid Jonquils; an extremely fine, free-flowering garden plant producing two or more sweetly-scented flowers on a stem; broad, overlapping perianth of smooth texture and shallow crown, of a pale, self lemon-yellow throughout. F.C.C. 1936. 3 for 75c

<i>Division</i>	<i>Division</i>
6 <b>Cyclamineus Hybrids</b>	8 <b>Tazetta</b> (Bunch-flowered)
a) large-cupped	9 <b>Poeticus</b>
b) short-cupped	10 <b>Species</b> and wild forms
<i>Division</i>	11 <b>All others</b>
7 <b>Jonquilla Hybrids</b>	
a) large-cupped	
b) short-cupped	



SILVER STAR



FORTUNE



MRS. E. H. KRELAGE

- 1b **Trousseau** (P. D. Williams)—An exquisite Bicolor trumpet of superb quality and finish; perfect form, great substance and satin-like texture. Very broad, smooth, flat, pure white perianth, and well-proportioned, straight, nearly-flanged trumpet which opens soft yellow and passes gradually to a most lovely, rich, buff rosy-cream, entrancingly rich and delicate in effect. The large flowers, which are exceptionally durable, are perfectly posed on strong stems. Vigorous plant with blue-green foliage. F.C.C. (e) 1947. each, \$3.00
- 2b **Tunis** (P. D. Williams)—A large, tall, robust-growing plant of most distinct character and great lasting substance; broad, waved, white perianth and large, bold, ivory crown with handsome flanged and serrated brim, retaining a remarkable flush of pale coppery-gold at the edge. F.C.C. (g) 1936. 3 for 75c
- 4 **Twink** (de Graaff)—Perhaps one of the nicest daffodils we have introduced. It is a double of the semi-full type, the petals alternating a soft primrose and clear orange, and so arranged as to give the flower a most attractive appearance and to make it a most adaptable flower for large scale decorative work. Twink forces as easily as Golden Spur, but also flowers very early in the field, is very free-flowering and hardy. It is a splendid show-flower and has created interest whenever shown. A.M. 1926. 3 for 75c
- 1a **Unsurpassable** (Lubbe)—In our tests this variety stood out as one of the best of the new Dutch yellow trumpets. Golden-yellow throughout, the flower has noble proportions, good size, stature and build. Definitely a show-flower and also a good one for the commercial grower as it forces well and early. F.C.C.H. 1926. 3 for \$1.00

- 1b **Western Star** (O.B.F.)—A rather late Bicolor of most exceptional keeping quality, tall and with flowers that measure more than four inches in diameter. The broad-petaled, off-white, flat and star-shaped perianth is stained yellow around the base of the deepest, intense, golden-yellow trumpet, providing a most striking and vivid contrast. The trumpet does not fade or burn even in the hot sun. Bulbs are smooth and of fine appearance and apparently this Bicolor is immune to basal rot. We have only a few bulbs to spare and consider this one of the best of the many Bicolor types we have raised so far. each, \$4.00
- 2b **Wild Rose** (Brodie)—A most attractive and striking flower and a real advance in pink coloring as the cup is a definite, solid rosy-pink to the base. The petals are a rather transparent pure white. P.C. 1946. each, \$2.00
- 4 **Windblown** (O.B.F.)—A lovely, free-flowering double with a pure white perianth and a center of loosely knit, ruffled petals of white and butter-yellow intermingled. A good grower and a most attractive plant with flowers almost five inches across. each, \$4.00
- 4 **Windswept** (O.B.F.)—A late double with sulphur-yellow perianth and a center of light and darker yellow petals. Strong stems and short necks make this a good garden plant. each, \$2.50
- 2c **Winkie** (O.B.F.)—A tall flower with a substantial white perianth and a broad cup that is daintily ruffled at the rim. The cup opens a creamy-yellow and turns white with a strong flush of pink on the inside. each, \$3.00

**KEY:** *Division*  
 1 **Trumpet Daffodils**  
 a) yellow  
 b) bicolor  
 c) white  
 d) others

*Division*  
 2 **Large-Cupped Daffodils**  
 a) yellow, cup colored  
 b) white, cup colored  
 c) white, cup white  
 d) others

*Division*  
 3 **Short-Cupped Daffodils**  
 a) yellow, cup colored  
 b) white, cup colored  
 c) white, cup white  
 d) others

*Division*  
 4 **Doubles**  
*Division*  
 5 **Triandrus Hybrids**  
 a) large-cupped  
 b) short-cupped



TUNIS



GOLDEN PERFECTION



MRS. R. O. BACKHOUSE

8 **Winter Pride** (Mooy)—One of the new Poetaz varieties and an outstanding forcer. Petals well-rounded and overlapping; cups golden-yellow. This variety stands out for its size, the number of flowers and its strong stems and foliage. A.M.H. 1930. 3 for 75c

2c **Zero** (Guy L. Wilson)—A glorious flower measuring up to 5½ inches in diameter. Very large broad, flat, widespread perianth; the beautiful vase-shaped crown has a slightly expanding bell mouth; purest icy-white throughout, with lovely deep green perianth tube; tall, strong stem and short neck. each, \$6.00

2b **Zircon** (O.B.F.)—Every visitor to our trials has admired it. It is a very tall, large (five inches across) flower with a pure white, flat, well-rounded perianth of very good substance. The large cup is of a pure golden-yellow, very flaring, ruffled and holds its color well. The foliage is very broad, blue-green and erect. The general impression this flower gives is one of a well-proportioned giant; striking novelty. each, \$3.50

### NATURALIZING MIXTURES

Daffodils planted in clusters in the foreground of shrubbery, or sown broadcast through woodlands, along hillsides, in meadows or lawns, and planted where they fall, give a most pleasing natural effect. They will increase in beauty and number without special care and become permanently established. In heavy soils the most vigorous varieties should be used. More pleasing effects result from grouping the various types, such as all trumpets, all Poeticus types, etc. We offer two distinct mixtures:

### SEEDLING MIXTURE

From all our daffodil seedlings we select annually not more than thirty or forty plants for further propagation as clones. The remainder we offer as a special seedling mixture. This mixture contains all possible types and combinations that can

be achieved. Many of our pinks as well as a large group of *N. triandrus* hybrids, are in this mixture. For garden decoration or for cutting this mixture is unsurpassed. Only limited quantities available. per 100, \$15.00

### FLOWER BORDER MIXTURE

This mixture is made up from named varieties, especially selected to give an abundant supply of flowers over a very long period. Only varieties that are adapted to naturalizing are selected. We grow several acres of this mixture and add to it, each year, the named varieties that we have tried out and that were found to be not sufficiently outstanding for continued propagation. There are well over a hundred different varieties in this mixture and it should not be confused with the cheap mixtures of old varieties that are frequently offered by other growers. per 100, \$12.00



MIXED POETAZ VARIETIES

<i>Division</i>	<i>Division</i>
6 <b>Cyclamineus Hybrids</b>	8 <b>Tazetta</b> (Bunch-flowered)
a) large-cupped	9 <b>Poeticus</b>
b) short-cupped	10 <b>Species</b> and wild forms
<i>Division</i>	11 <b>All others</b>
7 <b>Jonquilla Hybrids</b>	
a) large-cupped	
b) short-cupped	

# DAFFODILS

## *culture and forcing*

### **OUTDOOR CULTURE**

Daffodils thrive in any good garden soil, preferably deep well-drained loam. Deep preparation of the soil is necessary, and old rotted manure or compost may be worked in 16 or 18 inches below the surface, so as not to come in direct contact with the bulbs. *Fresh manure should never be used.*

Plant in the early fall, especially Poeticus types. The more vigorous, larger varieties may be planted as late as December, but early planting is best.

In medium soils, cover the bulbs about twice their depth, and a little deeper in the lighter soils. The average for most sorts is three to four inches from the top of the bulb. Set bulbs at a uniform depth, otherwise they may flower irregularly.

### **CULTURE IN POTS OR BOXES**

Daffodils should be potted in September or October in good loamy soil, adding a little sand or leaf mold and a small amount of bone flour. (About two pounds to the bushel of soil.)

The old pots must be washed thoroughly and allowed to dry before using. New pots should be soaked. Provide drainage by placing pieces of charcoal or fragments of pots over the drainage hole. A little ground peat in the bottom regulates drainage, retaining moisture.

After ten or twelve weeks they may be removed indoors for flowering. Select the earliest varieties first, thus extending the flowering season.

Do not bring them into a warm temperature. 50 to 60 degrees is best at first. Do not give any bottom heat. Later, when the flower buds are well advanced, the temperature may be increased to not more than 65 degrees.

When the pots are first brought to the light, the tender shoots may be covered for a day or two with an inverted flower pot to prevent injury from light or draft. A little weak liquid manure once a week, until buds burst, will hasten the flowers after growth has started.

Always have plenty of light and air.

### **NATURALIZING**

Daffodils planted in clusters in the foreground of shrubbery, or sown broadcast through woodlands, along hillsides, in meadows or lawns, and planted where they fall, give a most

pleasing natural effect. They will increase in beauty and number without special care and become permanently established. In heavy soils the most vigorous varieties should be used. More pleasing effects result from grouping the various types, such as all trumpets, all Poeticus, etc.

### **MINIATURES**

They are charming little subjects for rock work, where their dainty flowers are seen to perfection. They should be left undisturbed for years, and if happy, will soon establish themselves and afford a lovely picture in early spring. The Bulbocodium like moisture and should therefore be planted at the foot of the rockery.

### **DAFFODIL FORCING**

Narcissi grow and flower in a cool and moist climate and they cannot be made to flower earlier by the mere application of high temperatures, as can be done to a certain extent with Tulips and Hyacinths. In Narcissi the flower embryo formation commences at the beginning of May and is generally completed during the fourth week in May. With Hyacinths this process does not start until the end of June and with Tulips not until the first week in August.

In consequence of this, as far as commercial practices are concerned, Daffodils need to be lifted early (normally before the other bulb crops), and since the flower embryos are complete when the bulbs are lifted, there is comparatively little that can be done in the way of pre-treatment.

While Tulips and Hyacinths are "conditioned" for early flowering with the aid of fairly high temperatures, Narcissus bulbs are subjected to lower temperatures. Not only are high temperature treatments for prolonged periods useless for conditioning Narcissi, they are in fact harmful and may cause serious damage to the flowering capacity of the bulbs.

For very early flowering the bulbs are dried off for four days at a temperature of 93°F., which period must not be exceeded for reasons mentioned. This is followed by one or two weeks at 63°F., after which the bulbs are stored at 48°F., until the planting date—the first fortnight in October.

For early flowering the bulbs are stored at 63°F. until September 1 and then at 48°F. until planting date (November 1). A better flower quality can be obtained by storing at 52½°F. during September and at 42° in October.

For late and very late flowering the bulbs are kept at 63°F. throughout their storage period. Planting is done during November. Some bulb growers give these bulbs a slight conditioning by decreasing the temperature to 42°F. for one month before planting. These treatments may of course vary slightly with the different varieties, but this is the bulb growers' specialty. Suffice to say that with Daffodils as with any other bulb crops, it definitely pays to obtain the bulbs from the best source available.

It is very important that during planting and when heeled in, the bulbs are maintained at a low temperature. Particularly the "cooled" bulbs should not be planted unless a temperature not exceeding 45-50°F. can be maintained. If this temperature cannot be provided, the only thing that can be done is to leave the bulbs in the cold store until the outside temperature drops, generally at the end of September and the beginning of October, and then to heel the boxes in in the coolest spot available. Of course, forcers with a temperature-controlled store at their disposal can box the bulbs early in September and leave them in the store at 48°F. Bulbs thus treated will be the earliest to flower and can easily be forced before Christmas. The rules for boxing and heeling-in of the Narcissus bulbs are similar to these for Hyacinths, and in short are: Use deep, well-drained boxes, clean or sterilized soil, provide sufficient moisture for the bulbs, and keep them cool.

Forcing should not be started until the flower-buds have left the bulbs, which can be decided by touch. Generally speaking, this stage will have been reached when the noses are approximately 2 or 3 inches long.

The safest temperature at which forcing should commence is 55°F. This can be raised to 60°F. as soon as extension growth of the flower-buds becomes evident. If the buds do not move at 55°F., it is better to *drop the temperature* to 50°F and to try higher temperatures again after a week or perhaps a fortnight.

When the crop is well on its way the temperature may be increased to 65°F., but should be decreased again as soon as the flowers appear, in order to get good color. During forcing, Narcissi should be watered well and regularly. They like a humid atmosphere, and as long as the temperature in the houses is maintained, daily syringing will be beneficial to this crop.

Daffodil bulbs which have not been forced too early can be planted on good land where they should receive good manurial dressings and clean cultivation. If the forced bulbs are added annually to this plot, it will provide a regular source of outdoor flowers. The main point to remember is that after the forced flowers have been cut, the plants should *not* be neglected, but should be kept growing until the weather is suitable for the bulbs to be planted out.

## FLY CONTROL

Growers who use the suggested preplanting soaks of daffodil bulbs last fall found their stocks completely free of bulb fly infestation this summer. Because of its general availability chlordane was used in most places. Last season's experiments indicated that the period of soaking need not exceed 10 minutes. Complete dosage for 10 minute soaks of the bulbs before planting are 4 pounds actual chlordane for 100 gallons. The material should be in the form of emulsifiable concentrate. Chlordane is available in 2 concentrations, one with 4 pounds per gallon, the other 8 pounds per gallon.

To prevent spread of basal rot by the solution it is essential that a fungicide be included. Both materials are compatible with the 2% Ceresan or the phenyl mercuric acetate in general use for basal rot prevention and the most desirable method is to use the insecticide in combination with either of these fungicides as usually used against basal rot. As a disinfectant only formaldehyde may be used at the rate of 1 quart to 100 gallons.

## JUDGING

We are often asked to suggest a scoring system for judging daffodil blooms or arrangements. The following is the system we have used:

### INDIVIDUAL FLOWERS

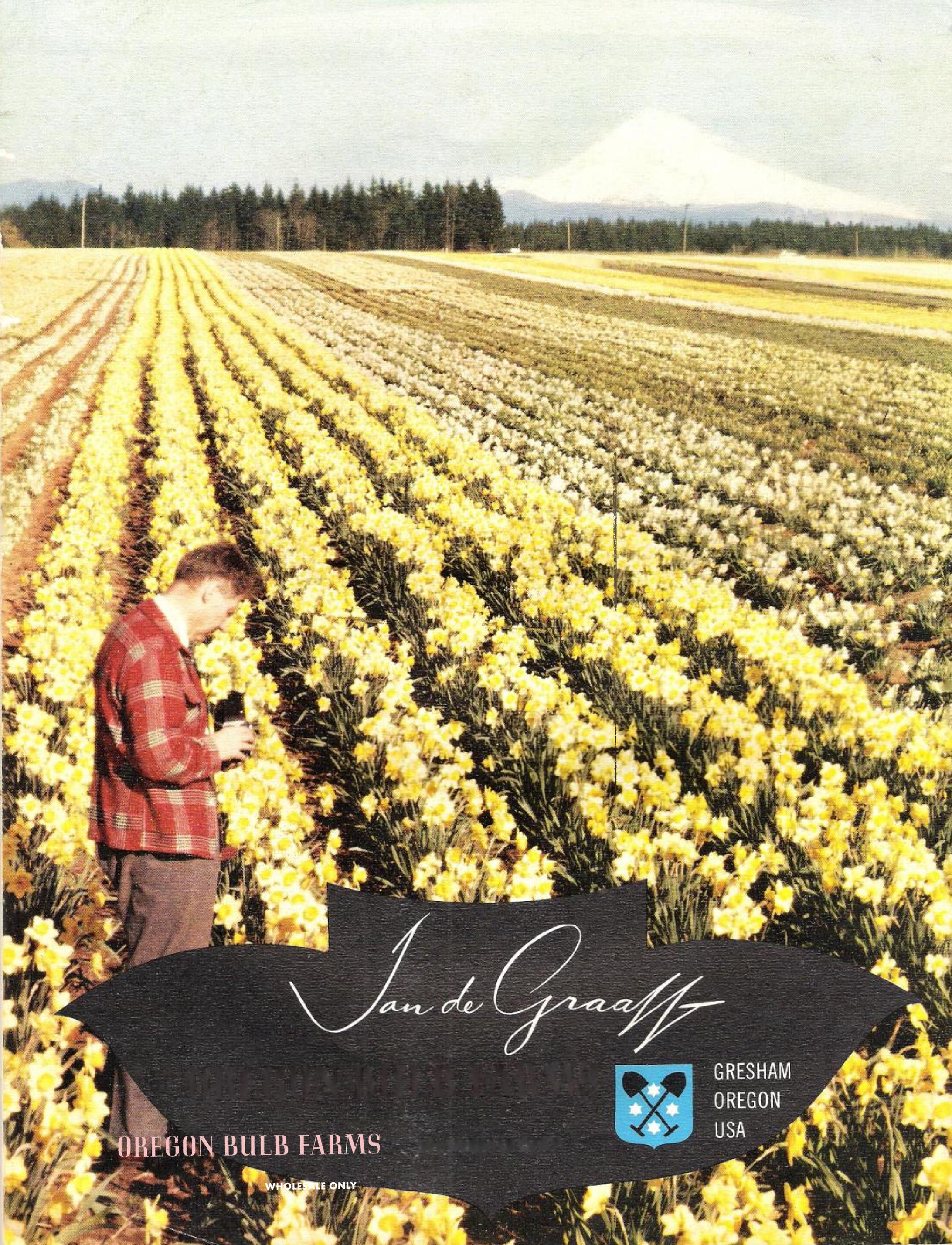
Substance and shape of Perianth.....	25 points
Freshness and Condition.....	25 points
Color and Carriage.....	20 points
Size suitable to Variety.....	15 points
Spread of Perianth in relation to trumpet, cup or corona.....	15 points
Total .....	100 points

### GROUPS OF CUT DAFFODILS

Staging Arrangement .....	30 points
Types and Varieties.....	20 points
Cultural Perfection .....	45 points
Correct and Suitable Labeling.....	5 points
Total .....	100 points

## SHOWING DAFFODILS

A few simple rules about showing daffodils follow: If at all possible show single specimens in bud vases, with one leaf; show either three or five flowers in a larger vase, flanked with a leaf on either side. Arrange the flowers in your hand, then put them in the vase, facing you and hold them in position by inserting a wad of sphagnum moss in the neck of the vase. Set your vases about 12 inches apart, in rows, on a table, raising the second and third rows by placing planks on bricks, upturned flower pots or boxes. Cover the table with black or dark green cloth and, if possible, intersperse the display with small potted ferns or other green plants.



*Jan de Graaff*



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